



सत्यमेव जयते

**Government of Bengal**

**Agriculture, Forests and Fisheries Department**

**Annual Progress Report on Forest  
Administration in the Presidency of  
Bengal**

**For the Year**

**1946-47**

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## Introductory

The report for 1946-47 should have been compiled for undivided Bengal. Figures in respect of forests now included in Eastern Pakistan could not, however, be procured from the Conservator of Forests, Eastern Bengal, in spite of repeated reminders. The publication of the report has been delayed in consequence and has now been compiled only for portions which have fallen in West Bengal.

Though the 24-Parganas Division was not created until the 15th of August 1947, the name appears in this report as figures for portions of the then Sundarbans Division which forms the 24-Parganas are only available.

Post-War Reconstruction (Development) Schemes although commenced partially during 1945-46 were taken up on a reasonable scale during the year under report. The following is a list of the schemes undertaken:—

Scheme No. 138—Afforestation in the district of Nadia.

Scheme No. 139—Rehabilitation of existing Government Forests.

Scheme No. 140—Training of technical and other personnel.

Scheme No. 141—Conservation of private forests and afforestation of private waste lands.

Scheme No. 142—Creation of a Soil Conservation Circle.

Scheme No. 143—Improvement of communications, buildings and water-supply in Government Forests.

The above may appear ambitious, but the urgency of schemes relating to conservation of soil and the protection of private forests cannot be over emphasised.

S. CHAUDHURI,

*Conservator-General of Forests, West Bengal.*

*The 7th October 1950.*



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## Annual Progress Report on Forest Administration in the Presidency of Bengal for the year 1946-47

[Note.—Figures in brackets immediately following the figures of the year under report are the previous year's figures.]

### CHAPTER I.—CONSTITUTION OF STATE FORESTS.

#### 1. Alteration in Areas (Form No. 7).

1. **Reserved Forests.**—The total area of Reserved Forests at the end of the year was 2,648 (2,648) square miles.

(a) In the Kalimpong Division the issue of the final notification under section 20 of the Indian Forests Act, 1927, for reservation of 344.59 acres of land, mentioned in the last year's report, was pending at the close of the year under report.

(b) Proceedings for acquisition of 2,000 acres of land for afforestation in the district of Nadia were commenced in December 1945, but due to shortage of staff in the Collectorate, the proceedings were confined to 25 acres on which nursery and plantation works were started during the year. Notifications Nos. 8129L.A., 8131L.A., 8133L.A. and 8135L.A. were issued for acquisition of the remaining area, viz., 1,975 acres under section 4 of the Land Acquisition Act on the 30th November 1946, but no further progress was made during the year.

2. **Protected Forests.**—The area stood at 1 (1) square mile.

3. **Unclassed State Forests.**—There were no such forests.

4. **Leased lands.**—The area of leased lands stood at 1,207 (1,207) square miles.

5. The total area of different classes of forests at the end of the year was as follows:—

| Class of forests. |       | Area (in sq. miles.). |         | Percentage of the total area of the province, viz., 28,215 square miles (after partition). |          |
|-------------------|-------|-----------------------|---------|--|----------|
| Reserve Forests   | .. .. | 2,648                 | (2,648) | 9.385  | (9.385)  |
| Protected Forests | .. .. | 1                     | (1)     | .004   | (.004)   |
| Leased Land       | .. .. | 1,207                 | (1,207) | 4.278  | (4.278)  |
| Total             |       | 3,856                 | (3,856) | 13.667   | (13.667) |

#### 2. Forest Settlement (Form No. 8).

6. The settlement of 0.54 square mile of Dolapchen Ridge in the Kalimpong Division, which was pending at the close of the previous year, remained pending at the close of the year under report also.

#### 3. Demarcation (Form No. 9).

7. The total length of boundaries at the close of the year stood at 1,740 (1,740) miles. 791 (747) miles of the existing boundaries were repaired at a cost of Rs. 8,432 (Rs. 7,866).

#### 4. Forest Surveys (Form No. 10).

8. No special surveys were undertaken by the Survey of India. Local surveys by the Forest staff were carried out as usual.

## CHAPTER II—MANAGEMENT OF STATE FORESTS.

### 1. Regulation of Management.

#### (a) Preparation and control of Regular Working Plans (Form No. 11).

9. The prescriptions of the five-year working scheme of the Kalimpong Division prepared in the previous year, were followed during the year.

The draft prescriptions of the revised plans for the Jalpaiguri and the Buxa Divisions were still being followed. Plans for these two divisions could not be completed and submitted to Government for sanction, owing to shortage of staff.

A tentative working plan for the afforestation of 2,000 acres of land in the district of Nadia, Central Forest Division, was prepared by the Divisional Forest Officer, but the prescriptions could not be followed due to delay in acquisition of land.

10. Checking of Control Forms was kept in abeyance due to want of staff.

#### (b) Preliminary Working Plan Report.

11. No preliminary working plan report for any division was prepared or submitted during the year.

Notification under section 3(1) of the Bengal Private Forests Act, 1945, was issued on the owners of private forests in the district of Midnapore, excepting those in the Garbetta police-station, for submission of working plans for their forest areas before the 31st March 1947, but no working plans were received from them during the year except from the Midnapore Zamindary Co.

### 2. Communications and Buildings (Form No. 12).

#### (a) Roads and Bridges.

12. A sum of Rs. 1,51,304 (Rs. 56,882) was spent on new construction of roads, paths and bridges.

The total expenditure on repairs to roads, paths and bridges was Rs. 84,117 (Rs. 84,680).

13. The total lengths of roads and paths maintained at the end of the year were—

|                 |    |    | Cart roads.<br>Miles. | Bridle paths.<br>Miles. | Other paths.<br>Miles. |
|-----------------|----|----|-----------------------|-------------------------|------------------------|
| Northern Circle | .. | .. | 631 (607)             | 612 (612)               | 124 (103)*             |

\*Correct figures.

#### (b) Buildings.

14. The amount spent on new construction of buildings was Rs. 3,25,491 (Rs. 63,716). A sum of Rs. 82,322 (Rs. 63,137) was spent on repairs to buildings.

#### (c) Other works.

15. Expenditure incurred on other new works amounted to Rs. 27,906 (Rs. 3,350). The amount spent on repairs and maintenance of wells, water-pipes, fencings, drains, upkeep of compounds, etc., was Rs. 20,390 (Rs. 16,758).

### 3. Protection of Forests.

#### (a) General protection (Form No. 13)—Breaches of Forest Rules.

16. The total number of forest offences was 2,414 (2,417) as compared with 2,041, the average of the past three years. The increase was due to extensive patrolling by the staff.



17. The following is a comparative statement of forest offences under different categories and the compensation realised for offences compounded under section 68 of the Indian Forest Act, 1927:—

| Class of offences.        | Number of cases reported during 1946-47. |              |                   |              | Number of cases reported during 1945-46. | Average of the preceding 3 years ending 1945-46. | Difference of columns 5 and 7. | Compensation realised. | No. of persons involved. | Average to each man. |
|---------------------------|--|--------------|-------------------|--------------|--|--|--------------------------------|------------------------|--------------------------|----------------------|
|                           | Taken into court.                        | by D. F. Os. | Undetected cases. | Total Cases. |  |  |                                |                        |                          |                      |
| 1                         | 2  | 3            | 4                 | 5            | 6  | 7  | 8                              | 9                      | 10                       | 11                   |
|                           |  |              |                   |              |  |  |                                | Rs.                    |                          | Rs. a. p.            |
| Injury to forest by fire. | ..                                       | 1            | 26                | 27           | 60                                       | 44   | - 17                           | 19,525                 | 4,194                    | 4 10 6               |
| Unauthorised felling      | 34                                       | 463          | 8                 | 505          | 508                                      | 201  | + 214                          |                        |                          |                      |
| Unauthorised grazing      | ..                                       | 707          | 1                 | 708          | 658                                      | 590  | + 109                          |                        |                          |                      |
| Other offences ..         | 30                                       | 1,137        | 7                 | 1,174        | 1,182                                    | 1,107  | + 67                           |                        |                          |                      |
| Total ..                  | 64                                       | 2,308        | 42                | 2,414        | 2,417                                    | 2,041  | + 373                          | ..                     | ..                       | ..                   |

18. The percentage of increase as compared with the average of the preceding three years was 15.5. The increase under "Injury to forest by fire" was due to prolonged spell of dry weather. The decrease under "Unauthorised grazing" was due to stricter control by the staff. The increase under "Other offences" was mainly due to the reorganisation and the strengthening of boundary patrols and greater vigilance on the part of the subordinate staff.

19. The "Other offences" numbering 1,174 (1,182) consisted of—

| Categories.  | No. of cases |
|--|--------------|
| (i) Illicit removal of forest produce ..             | 547          |
| (ii) Violation of conditions laid down in permits .. | 214          |
| (iii) Illicit hunting and shooting ...               | 18           |
| (iv) Illicit fishing ...                             | 78           |
| (v) Miscellaneous ...                                | 317          |
| Total ...  | 1,174        |

20. The number of cases disposed of during the year was Rs. 2,323 (2,029) including 83 (76) cases pending from the previous year. 132 (78) cases remained undisposed of during the year. The total number of cases taken into court was 92 (27) including 28 (1) pending from previous year. Of these, 19 (4) cases involving 39 (7) persons resulted in conviction and 5 cases involving 7 persons resulted in acquittals. Sixty-eight (23) cases remained pending at the close of the year.

21. Under section 68 of the Indian Forest Act, 1927, the Divisional Forest Officers compounded 2,290 (2,022) cases involving 4,194 (3,342) persons and realised Rs. 19,525 (Rs. 14,652) as compensation and 9 (3) cases involving 24 (14) persons were let off. Sixty-four (55) cases remained undisposed of at the close of the year.

(b) *Fire protection (Forms Nos. 14 and 15).*

22. Special measures for protection from fire were undertaken over 375,041 (375,068) acres, out of which, 1,296 (11,540) acres were burnt. The percentage of success was 99.7 (96.9). The expenditure incurred in this connection was Rs. 10,048 (Rs. 9,495).

Nepal and Sikkim portions of the frontier fire lines were cleared as usual by the respective Durbars.

The Darjeeling Himalayan Railway Co. cleared the fire traces above the Tista Valley Railway lines from Geillekhola to Riang. The scheme for spark-arrester for the Darjeeling Himalayan Railway engines could not be given effect to, mainly due to paucity of funds.

(c) *Regulation of grazing by cattle (Forms Nos. 16 and 17).*

23. Two thousand four hundred and eighty-two (2,482) square miles of forests were entirely closed to grazing. One hundred and sixty-four (164) square miles were open to grazing throughout the year and 3 (3) square miles for part of the year for non-browsers only.

24. Three thousand one hundred and eighty-two (2,767) cattle were impounded during the year under report.

25. Number of cattle stall-fed in the Darjeeling and the Kurseong Divisions was 295 (299). There were 10 (10) Government *bathans* in the Darjeeling Division used for stall-feeding. In the Buxa Division privileged grazing was permitted in closed areas to milch and plough cattle belonging to Forest villagers and to draught cattle engaged by the coupe purchasers for extraction of timber.

(d) *Injuries from natural causes and protective measures undertaken.*

26. (I) *Insects*.—Odd trees in the *champ* plantations at Kundong in the Kurseong Division continued to be damaged by insects. (*Champ* bug—*Urostylis punctigera*.)

(II) *Borers and defoliators*.—In the Jalpaiguri and the Buxa Divisions *sal* borer (*Hoplocerambyx spinicornis*) was noticed in small numbers on dead and fallen *sal* trees. In the Kurseong Division defoliators did certain amount of damage to plantations in Sukna Range.

(III) *Fungi*.—In the Jalpaiguri Division groups of *sal* trees were killed by root fungi in localities with unfavourable soil conditions. In the Buxa Division fungi were found active in some older plantations in moist places.

(IV) *Loranthus*.—The pest continued to attack plantations and high forests in both the Jalpaiguri and the Buxa Divisions. Eradication by cutting the *Loranthus*—attacked branches was attempted.

(V) *Weeds*.—Normal weeding was carried out in all plantations.

(VI) *Climbers*.—Climbers were cut in the usual way according to the prescriptions of the Working Plans, as far as funds permitted, with beneficial effect.

(VII) *Wild animals*.—Deer, bison, monkey, elephant, wild pig, etc., caused, as usual, sporadic damage to plantations occasionally. Wire fences, where such are used, were repaired as required.

(VIII) *Earthquake*.—None reported.

(IX) *Landslips*.—In the Darjeeling Division landslide at Paglajhora in Little Rangit block of the Tonglu Range on the Manibhanjang-Batasi Cart Road continued to extend frequently blocking cart and mule traffic. Another landslide occurred in the South Rimbiok Block of the Singalila Range causing serious damage to the 1927 plantation, and a Forest villager's house and a cow were buried. Fortunately there was none in the house at the

time. A check dam was constructed at Gorkhay slip. Minor landslips occurred in several other places both in the Darjeeling and the Kalimpong Divisions.

In the Kalimpong Division various protective works designed to stabilise the land were carried out with success. In addition to these, planting and sowing were also undertaken.

(X) *Wind and cyclone*.—None reported.

(XI) *Frost and snow*.—In the Hill Forests of the Darjeeling Division, frost did some damage to young plantations, but the damage was not so serious.

(XII) *Erosion*.—In the Kurseong Division, the Tista river eroded about 40 acres of Samardanga Block in the Sevoke Range, and the Mechi river damaged a considerable portion of Lohagarh Block. No protective measures could be undertaken to prevent erosion.

In the Jalpaiguri Division the Tista river continued eroding the Chengmari Forest. About 173 acres were washed away. The main current of the river is at present along the Chengmari Forest and further erosion is threatening.

The Chel river changed its course due to the protection *bund* along the bank; the *bund* was repaired and strengthened during the year under report.

In the Buxa Division, the Turturi river caused considerable damage to the Dhowla-Bhutanghat Road. Protective measures were undertaken to guard against further damage. The Torsa river changed its course to the Malangi during the year causing considerable damage to the Chilapata forests. There was also erosion along the eastern bank of the Torsa river as in the previous year, causing damage to the Game Sanctuary.

(XIII) *Drought*.—No damage was reported.

(XIV) *Hail*.—Hail storms caused some damage both to agricultural and forest crops in the Singalila Range during the spring.

### CHAPTER III—SILVICULTURE

#### I.—System of management.

27. The table below shows the various silvicultural systems that were in force during the year under report:—

| Silvicultural systems.   |     |     |     | Area in<br>sq. miles. | Percentage of<br>the total area |
|--|-----|-----|-----|-----------------------|---------------------------------|
| (i) Clear felling followed by artificial re-stocking               | ... | ... | ... | 544                   | 20·7                            |
| (ii) Simple coppice  | ... | ... | ... | 12                    | 0·5                             |
| (iii) Selection and improvement fellings                           | ... | ... | ... | 1,954                 | 74·3                            |
| (iv) Protection forests with no regular prescriptions for fellings | ... | ... | ... | 119                   | 4·5                             |
| Total  |     |     |     | 2,629                 | 100·0                           |

#### II.—Afforestation and regeneration (Form No. 18).

28. In the Kalimpong Division afforestation work was undertaken in two areas, viz., (i) Development Area Protected Forests comprising an area of 173·01 acres, scattered in 16 small plots, and (ii) Dolapchen Slip Reserve which is a compact area of 188·18 acres. The details of work carried out in each of these areas are given below:—

(i) *Development Area Protected Forests*.—Apart from protective works, the raising of plantations by sowing and transplanting was carried out with fast growing species, e.g., *utis* (*Alnus nepalensis*), *saur* (*Betula spp.*),

*khanakpa* (*Evodia fraxinifolia* and *Evodia meliifolia*), *pipli* (*Bucklandia populnea*), cherry, *malata* (*Macaranga spp.*), etc. So far an area of 120.45 (revised figures) acres was planted up including 13.13 acres taken up during the year under report. The total cost of raising new plantations over 13.13 acres and maintaining old areas by filling up vacancies, raising seedlings in nurseries and pay of malis, was Rs. 2,303 (Rs. 2,026).

Protective works, such as construction of revetment walls, check dams, drains, etc., were undertaken at a cost of Rs. 4,375 (Rs. 1,031).

(ii) *Dolapchen Slip Reserve*.—The entire area was planted up previously, but due to slips, erosion, and subsidence of the hill-sides, failures occurred. In order to fill up vacancies, a nursery was maintained to raise seedlings for transplanting. Cleaning and filling up vacancies were undertaken during the year and the cost incurred was Rs. 1,716 (Rs. 1,908) including pay of mali. Fast growing species, such as *pipli* (*Bucklandia populnea*), *utis* (*Alnus nepalensis*), *saur* (*Betula spp.*), *Khanakpa* (*Evodia spp.*), etc., were tried, but there was a number of casualties; the filling up of vacancies was carried on during the rains.

Protective works were also undertaken and the expenditure incurred was Rs. 2,587 (Rs. 2,077) apart from the maintenance of boundaries and fencing.

In the West Bengal Forest Division two experimental nurseries were established at Contai and Digha in the district of Midnapore under Post-War Reconstruction Scheme, for testing suitability of the different species for growth under local conditions and to encourage the local people in the habit of tree-planting. Seedlings were distributed among the local people. In addition, two plantations of *jhaol* (*casuarina*) were raised in the Midnapore district—one over one acre at Junput and the other over two acres at Digha. A nursery was also established for planting up test plots for anti-erosion experiments at Arabari in the said district.

### III.—Establishment of Reproduction (Form No. 18).

#### (a) *Mainly natural.*

29. No natural reproduction of *sal* (*Shorea robusta*) was noticed in the forests of the Jalpaiguri Division. Two thousand four hundred and twenty-nine acres of fuel coupe felled in the said division was allowed to regenerate by coppice.

In the Buxa Division natural regeneration of various species, such as *kadam* (*Anthocephalus indicus*), *malata* (*Macaranga denticulata*), *bahera* (*Terminalia belerica*), *siris* (*Albizia spp.*) were found to come up along with the artificial regeneration of *jarul* (*Lagerstroemia flos-reginae*), *siris* (*Albizia spp.*), teak (*Tectona grandis*), etc.

#### (b) *Mainly artificial.*

30. Clear-felling followed by artificial regeneration in conjunction with *taungya* was the main system of re-stocking in the Northern Circle. Two thousand three hundred and twenty-five (2,264) acres of new plantations were added during the year.

### IV.—Tending.

31. Climber-cutting, weeding, thinnings and general upkeep of the existing plantations were carried out as far as funds and labour permitted.

32. **Cost.**—The cost of afforestation and regeneration including the upkeep of the existing plantations, was Rs. 1,46,803 (Rs. 1,04,816).

### V.—General.

33. This was a good seed year for all species. The natural-cum-artificial regeneration plots at Raimatong progressed reasonably well.

## CHAPTER IV—EXPLOITATION.

34. **Outturn of Forest Produce (Forms Nos. 19 and 20).**—The following statement shows the total outturn of Forest produce:—

| Particulars.                   |       | 1946-47.            |          | 1945-46.            |          |
|--------------------------------|-------|---------------------|----------|---------------------|----------|
| Timber (in thousands of c.ft.) | .. .. | 3,705               |          | 3,631               |          |
| Fuel (in thousands of c.ft.)   | .. .. | 12,445              |          | 14,252              |          |
|                                |       | Number or quantity. | Value.   | Number or quantity. | Value.   |
|                                |       |                     | Rs.      |                     | Rs.      |
| <i>Minor forest produce.</i>   |       |                     |          |                     |          |
| Bamboos (Nos. in thousands)    | .. .. | 1,565               | 10,484   | 2,348               | 10,594   |
| Golpatta (maunds)              | .. .. | 27,075              | 1,664    | 12,150              | 728      |
| Other types                    | .. .. |                     | 1,07,633 |                     | 1,39,354 |

The increase under timber and *golpatta* was due to better facilities for transport than those in the previous year.

The decrease under fuel, bamboos and other types was due to less demands owing to general depression.

35. **Extraction by departmental agency (Forms Nos. 21 and 22).**—

(i) *Timber.*—The following statement shows the outturn of timber extracted departmentally during the year and the approximate financial results neglecting outstanding and end of year adjustment:—

| Particulars.   | Northern Circle. | Southern Circle. | Total.    |           |
|--|------------------|------------------|-----------|-----------|
|  |                  |                  | 1946-47.  | 1945-46.  |
|  | C.ft.            | C.ft.            | C.ft.     | C.ft.     |
| (a) Cut or extracted or otherwise received into departmental stock.        | 505,158          | ..               | 505,158   | 964,251   |
|  | Rs.              | Rs.              | Rs.       | Rs.       |
| (b) Corresponding expenditure on departmental extraction (A. I. a.).       | 4,14,152         | ..               | 4,14,152  | 7,26,608  |
|  | as. p.           | as.              | as. p.    | as. p.    |
| (c) Approximate average direct cost per c.ft.                              | 13 1·4           | ..               | 13 1·4    | 12 0·6    |
|  | C.ft.            | C.ft.            | C.ft.     | C.ft.     |
| (d) Sold or otherwise disposed of  | 601,068          | ..               | 601,068   | 1,184,704 |
|  | Rs.              | Rs.              | Rs.       | Rs.       |
| (e) Value of sales of departmentally extracted timber (Form 26, R. I. a.). | 9,65,974         | ..               | 9,65,974  | 16,43,503 |
|  | Rs. a. p.        | Rs. a. p.        | Rs. a. p. | Rs. a. p. |
| (f) Approximate average price per c.ft.                                    | 1 9 8·5          | ..               | 1 9 8·5   | 1 6 2·4   |
| (g) Average gross surplus per c.ft.  | .. 0 12 7·1      | ..               | 1 12 7·1  | 0 10 1·8  |

(ii) *Fuel, bamboos and minor produce.*—The following table shows the results on the year working:—

| Particulars.   | Northern Circle. | Southern Circle. | Total.   |          |
|--|------------------|------------------|----------|----------|
|  |                  |                  | 1946-47. | 1945-46. |
|  | Rs.              | Rs.              | Rs.      | Rs.      |
| (a) Value of sales of fuel, bamboos and minor produce extracted departmentally (Form No. 26, R. I. b., R. I. c. and R. I. d.). | 1,23,106         | ..               | 1,23,106 | 2,00,180 |
| (b) Expenditure on departmental extraction of fuel and minor produce (A. I. b., A. I. d. and A. I. e.).                        | 1,01,406         | ..               | 1,01,406 | 1,30,185 |
| (c) Net gross surplus or deficit   | + 21,700         | ..               | + 21,700 | + 69,995 |

36. **Siliguri Saw Mill.**—The working of the mill during the year was satisfactory in that it resulted in a net profit of Rs. 2,43,210-12-11 against Rs. 2,55,878-10-8 in 1945-46, Rs. 1,40,036-1-6 in 1944-45, Rs. 1,00,467-0-7 in 1943-44, Rs. 25,976-5-2 in 1942-43 and Rs. 19,304-9-3 in 1941-42. The decrease in profit during the year under report from that of the previous year was due to a smaller quantity of timber being available for sawing in the mill owing to difficulty in extraction of logs. The cost of production also went up from 8.54 annas per cubic foot in 1945-46 to 11.10 annas per cubic foot in 1946-47 due to the rise in the cost of log extraction.

The percentage of wastage was 26.43 against 23.92 in 1945-46. The utilisation of a huge quantity of defective logs and sawing of timber to definite sizes according to orders received, were responsible for the increase in the rate of wastage.

The total outturn of sawn timber was 184,193 c.ft. (300,140 c.ft.) and the total quantity sold amounted to 173,400 c.ft. (284,648 c.ft.). The closing balance of sawn timber in stock on the 31st March 1947 was 53,811 c.ft. (41,569 c.ft.).

37. **Log Depots.**—The log depots were brought under the direct control of the Siliguri Saw Mill and Timber Depot Subdivision and all expenditure incurred thereon, incorporated in the Subdivisional accounts, the maintenance of a separate profit and loss account for the depots being considered unnecessary.

38. **Extraction by purchasers.**—(i) *Timber and Fuel.*—Timber and Fuel were sold by auction at valuation based on estimated outturn and royalty rates and on permits at scheduled rates. The following statement summarises the year's working results neglecting outstandings and end of year adjustments:—

| Particulars.   | Northern<br>Circle. | Southern<br>Circle. | Total.    |           |
|--|---------------------|---------------------|-----------|-----------|
|  |                     |                     | 1946-47.  | 1945-46.  |
| <i>Timber.</i>   |                     |                     |           |           |
| (a) Volume extracted by purchasers (in thousands of c.ft.).              | 1,995               | 1,192               | 3,187     | 2,643     |
|  | Rs.                 | Rs.                 | Rs.       | Rs.       |
| (b) Value of sales of timber to purchasers (Form No. 26, R. II. a).      | 17,61,361           | 48,243              | 19,09,604 | 12,67,167 |
|  | As. p.              | As. p.              | As. p.    | As. p.    |
| (c) Approximate average royalty per cf.t.                                | 14 1.5              | 0 7.8               | 9 1.0     | 7 8.1     |
| <i>Fuel.</i>   |                     |                     |           |           |
| (a) Volume extracted by purchasers (in thousands of c.ft. solid).        | 10,579              | 1,050               | 11,629    | 13,065    |
|  | Rs.                 | Rs.                 | Rs.       | Rs.       |
| (b) Value of sales of fuel to purchasers (Form No. 26, R. II. b.).       | 3,07,545            | 40,354              | 3,47,899  | 3,61,693  |
|  | Rs. a. p.           | Rs. a. p.           | Rs. a. p. | Rs. a. p. |
| (c) Approximate average royalty per 100 c.ft. stacked or 50 c.ft. solid. | 1 7 3.1             | 1 14 9              | 1 7 11.2  | 1 6 1.8   |

(ii) *Minor produce.*—Bamboos and other minor produce were sold to purchasers mostly under permits at scheduled rates. Details of the revenue realised on various items are shown in Form No. 20. The value of sales during the year was Rs. 1,09,189 (Rs. 1,22,038).

39. **Rights and privileges.**—There were no rights in the reserved forests under the management of this Directorate, but there were certain concessions. The Manager of the Government Cinchona Plantation at Munsong enjoyed the privilege of issuing himself free permits for forest produce required for his plantations. The khas mahal tenants obtained

free supplies of leaf mould and were allowed grazing at concession rates, and the khas mahal mandals allowed free grazing to the extent of 7 cows per head.

40. **Free grants, etc.**—The following statement shows the quantity and/or value of forest produce given either free of royalty or at concession rates and furnishes the information required under the Inspector-General of Forests' circular No. 9-113-7, dated the 26th June 1911:—

| Particulars.  | Timber.     |        | Fuel.       |        | Bamboos. | Value.             |                      | Total value. |
|---|-------------|--------|-------------|--------|----------|--------------------|----------------------|--------------|
|   | Cubic feet. | Value. | Cubic feet. | Value. | Value.   | Grass and grazing. | Other minor produce. |              |
|   |             | Rs.    |             | Rs.    | Rs.      | Rs.                | Rs.                  | Rs.          |
| To right holders ..                                 | ..          | ..     | ..          | ..     | ..       | ..                 | ..                   | ..           |
| To free grantees ..                                 | 13,308      | 551    | 276,084     | 6,703  | 91       | 2,019              | 1,824                | 11,188       |
| Grant at reduced or concession rates.               | ..          | ..     | ..          | ..     | ..       | 7,088              | ..                   | 7,088        |
| Total grant free or at concession rates in 1946-47. | 13,308      | 551    | 276,084     | 6,703  | 91       | 9,107              | 1,824                | 18,276       |
| Total grant free or at concession rates in 1945-46. | 24,132      | 1,855  | 284,083     | 9,157  | ..       | 8,656              | 894                  | 20,562       |

41. The undermentioned species and quantities of Forest produce were reported to have been consumed by the Manager of the Experimental Cinchona Plantation in Rongo Block of the Kalimpong Division amounting to a total value of Rs. 2,444-7-6 (Rs. 2,387-5):—

| Produce.   | Nos.     | Cubic feet. | Value.       |          |          |
|--|----------|-------------|--------------|----------|----------|
|  |          |             | Rs.          | a.       | p.       |
| <i>Panisaj</i> ( <i>Terninalia myriocarpa</i> ) ..       | 21       | 2,128.0     | 532          | 0        | 0        |
| <i>Katus</i> ( <i>Castanopsis hystrix</i> ) ..           | 2        | 168.5       | 42           | 2        | 0        |
| <i>Musre katus</i> ( <i>Castanopsis tribuloides</i> ) .. | 29       | 1,555.0     | 145          | 13       | 0        |
| <i>Dalue katus</i> ( <i>Castanopsis indica</i> ) ..      | 1        | 1,137.5     | 12           | 14       | 6        |
| <i>Champ</i> ( <i>Michelia champaca</i> ) ..             | 1        | 265.0       | 115          | 15       | 0        |
| <i>Kawla</i> ( <i>Machilus spp.</i> ) ..                 | 4        | 175.5       | 21           | 15       | 0        |
| <i>Chilauni</i> ( <i>Schima wallichii</i> ) ..           | 4        | 185.5       | 17           | 7        | 6        |
| <i>Mowa</i> ( <i>Engelhardtia spicata</i> ) ..           | 3        | 128.0       | 12           | 0        | 0        |
| Miscellaneous poles ..                                   | 1,040    | ..          | 80           | 0        | 0        |
| Firewood, green ..                                       | ..       | 5,000.0     | 50           | 0        | 0        |
| Firewood, dry, (in cooly loads) ..                       | 12,000   | ..          | 375          | 0        | 0        |
| Bamboos, large ..  | 1,525    | ..          | 15           | 4        | 6        |
| Bamboos, small ..  | 1,29,000 | ..          | 398          | 0        | 0        |
| Leaf mould (in cooly loads) ..                           | 8,000    | ..          | 500          | 0        | 0        |
| Cane, unsplit (in cooly loads) ..                        | 168      | ..          | 126          | 0        | 0        |
| <b>Total</b> ..  | ..       | ..          | <b>2,444</b> | <b>7</b> | <b>6</b> |

42. **Grants to Forest villagers.**—The estimated value of forest produce granted free of royalty to the Forest villagers in the Northern Circle during the year in return of free labour supplied in sowing, planting, weeding, etc., in the plantations, is shown in the table below:—

| Division.        | Timber.          | Fuel.            | Bamboos.     | Grazing and fodder. | Minor produce. | Total.            |
|------------------|------------------|------------------|--------------|---------------------|----------------|-------------------|
|                  | Rs.              | Rs.              | Rs.          | Rs.                 | Rs.            | Rs.               |
| Darjeeling .. .. | ..               | 1,875            | 656          | 1,021               | 847            | 4,399             |
| Kalimpong .. ..  | 1,527            | 1,175            | 91           | 1,832               | 93             | 4,718             |
| Kurseong .. ..   | ..               | 297              | ..           | 7                   | ..             | 304               |
| Jalpaiguri .. .. | 40               | 847              | ..           | ..                  | ..             | 887               |
| Buxa .. ..       | 440              | 1,150            | ..           | ..                  | ..             | 1,590             |
| Total .. ..      | 2,007<br>(1,855) | 5,344<br>(5,483) | 747<br>(442) | 2,860<br>(1,679)    | 940<br>(384)   | 11,898<br>(9,843) |

## CHAPTER V—FINANCIAL RESULTS.

43. The following statement summarises the revenue and expenditure of the year under report:—

| Particulars.   | (a)<br>1946-47.<br>Rs. | (b)<br>1945-46.<br>Rs. |
|--|------------------------|------------------------|
| Revenue .. ..  | 34,61,003              | 39,41,080              |
| Expenditure—   |                        |                        |
| A.—Conservancy and Works .. ..   | 17,17,266              | 37,43,962              |
| * Deduct—A-VIII—Amount recoverable from other Governments, Departments, etc. | 5,15,686               | 22,00,141              |
| Net expenditure under "A" .. ..  | 12,01,580              | 15,43,821              |
| B.—Establishment .. ..   | 13,01,786              | 11,60,066              |
| D.—Charges in England .. ..  | 88,530                 | 50,612                 |
| E.—Loss or gain by exchange .. ..  | ..                     | 89                     |
| F.—Special Development Programme .. ..                                       | 7,75,410               | ..                     |
| Total expenditure .. ..  | 33,67,306              | 27,54,588              |
| Surplus .. ..  | 93,697                 | 11,86,492              |

\* Note.—These amounts mostly consist of recoveries from the Supply Department of the Government of India on account of the price of timber purchased from the trade.

The decrease in revenue was due to suspension of timber for war purposes.

The decrease in expenditure under "A—Conservancy and Works" was mainly due to no purchase of timber for war purposes.

The increase in expenditure under "B—Establishment" was mainly due to grant of interim pay.

(a) Vide Appendix I.

(b) Vide Appendix II.

44. The prescribed analysis of the receipts and expenditure shows that of the receipts 92·7 (89·5) per cent. came from major produce, 2·5 (2·7) per cent. from minor produce, 0·6 (0·8) per cent. from grazing, 4·8 (7·6) per cent. from miscellaneous sources and 0·6 (0·6) went out as refunds, while of the expenditure 17·7 (33·7) per cent. was spent on extraction, 7·7 (11·9) per cent. on roads and buildings, 0·3 (0·4) per cent. on fire protection, 3·1 (3·6) per cent. on cultural operations, 1·4 (1·4) per cent. on live-stock, stores and plants, 0·2 (0·2) per cent. on Working Plans, 5·3 (4·9) per cent. on miscellaneous works and 38·7 (42·1) per cent. on administration, 2·6 (1·8) per cent. on charges in England and 23·0 (nil) per cent. on Special Development Programme.



45. The outstanding revenue\* at the close of the year amounted to Rs. 2,98,085 (Rs. 2,85,815) against Rs. 2,85,815 (Rs. 2,60,724), *vide* Form No. 26.

46. The balance of timber, fuel, bamboos and other minor produce in stock at forest and sales depots and the value thereof are shown in Forms No. 21 and No. 22. The net difference against the year was Rs. 1,08,811.

47. Form No. 23, which is an abstract of the value of live and dead stock, shows a balance of Rs. 4,22,625 in favour of the year.

48. The outstandings due by contractors and disbursers relating to the Forest Divisions which have fallen in West Bengal, amounted to Rs. 4,968 at the commencement and Rs. 8,868 at the close of the year, *vide* Form No. 27.

## CHAPTER VI—RESEARCH AND EXPERIMENTS.

### Silviculture.

49. (1) **General.**—The work was carried out in accordance with the programme sanctioned for the year.

(2) **Experimental Silviculture.**—(A) *Sal* (*Shorea robusta*). *Forests.*—(i) *Natural regeneration.*—Experiment on natural regeneration of various types of *sal* forests in North Bengal were continued on the lines of Kamrup method. Results of recruitments were not satisfactory. Regeneration of *sal* by this method proved to be a failure. On the other hand gradual opening up of the canopy and rains weeding followed by fire protection at Raimatong, Buxa Division, gave good results.

(ii) *Natural-cum-artificial.*—Younger plants up to 10 feet at Raimatong, Buxa Division, were cut back after the accidental fire burning by the end of March. Rains and winter cleanings were carried with good results, at a cost of Rs. 5 per acre.

In Bengal, the problem of *sal* natural regeneration is not of great urgency as *sal* grown in plantations is fast, there is no delay in establishment and the work is concentrated and thus the cost of plantations by the *taungya* method is probably not more expensive than natural regeneration and the present labour force is almost sufficient in most divisions to plant up to the full prescriptions of the Working Plan.

(B) *Miscellaneous species forests.*—*Assisted Natural Regeneration.*—Mixed seeds of fast-growing miscellaneous species were broadcast over certain areas in May and June to aid natural regeneration in fuel coupes in the Buxa Division. Results obtained so far were not satisfactory as rains, weeding and cleaning could not be done as intensely and frequently as required due to paucity of labour.

(C) *Riverain Forests.*—The experiments started in 1936 in the Buxa and the Jalpaiguri Divisions to study the effect of controlled burning on the existing of *khair* (*Acacia catechuoides*) and *sissu* (*Dalbergia sissoo*) in the savannah areas of the riverain forests and to induce natural regeneration, proved a failure; so the experiments were discontinued. No fresh work was undertaken in this type of forests in the year under report. The problem of availability of thatch in the country was acute. It was essential to maintain and improve thatchy areas instead of attempting natural regeneration of woody species in this type of forests.

(D) *Tidal Forests.*—The following species were tried in the nursery at Contai, Midnapore Division. They germinated well and showed satisfactory results towards the year under report:—

- (i) *Casuarina equisetifolia*, (ii) *Cassia siamea*, (iii) *Acacia* spp., (iv) *Swietenia* spp., (v) *Azadirachta indica*, (vi) *Acacia arabica*, (vii) *Terminalia arjuna*, (viii) *Pongamia glabra*, (ix) *Tectona grandis* (x) *bambusa arundinacea*, (xi) *Engenia* spp., (xii) *Mangifera indica*.

In the nursery at Digha, Midnapore Division, *Casuarina equisetifolia* was doing well.

Plantations of *casuarina* at 8 ft. by 8 ft. were raised on the seashore on a two-acre plot at Digha and an one-acre plot at Junput, Midnapore Division, with the transplants from the Contai Nursery. Both the plantations were doing fairly well.

The following *Rhizophora* species were tried at Balushai, Midnapore Division, about 3 miles away from the sea, but the germination was not satisfactory due to the increased percentage of mortality in the hot weather:—

- (i) *Carapa moluccensis* (pussur).
- (ii) *Ceriops roxburghiana* (goran).
- (iii) *Heritiera minor* (sundri).
- (iv) *Avicennia officinalis* (baen).

(3) **Nursery work.**—Three nurseries with gardens in the following localities of varying elevations in the Northern Circle were maintained by the Silvicultural Division during the year under report. Routine tests on the relative suitability of shaded and unshaded beds for each species, both exotic and indigenous, were carried out; relative merits of direct sowing, transplanting in the rains and in the winter, and stump planting for each species with or without a cover crop, were continued. A list of successful species grown is given below:—

(i) Sukna (elevation 500 feet, rainfall 150 inches).—*Aleurites fordii*, *Cassia siamea*, *Chlorophora excelsa*, *Dalbergia cultrata*, *Sterculia alata*, *Santalum album*, *Nyctia dolabriformis*, *Thyrostachys oliveri*, *Cinnamomum camphora*.

(ii) Takdah (elevation 5,300 feet, rainfall 140 inches).—*Cupressus patula*, *Pinus lawsoniana*, *Pinus excelsa*, *Cupressus torulosa*, *Cupressus lusitanica*, *Cupressus cashmiriana*, *Tsuga brunoniana*, *Juniperus virginiana*, *Widdringtonia wightii*, *Thuja plicata*, *Chamaecyparis lawsoniana*, *Picea morinda*, *Hovenia dulcis*, *Betula alnoides*, *Betula cylindrostachys*, *Prunus cerasoides*.

(iii) Ramam (elevation 7,950 feet, rainfall 100 inches).—No observation could be made during the year due to shortage of staff.

(4) **Artificial Regeneration.**—(A) *Wet Plains Sal Forests* (Eastern Terai Type).—(i) The growth of *sal* was on the whole satisfactory in all plantations of Northern Circle, especially on well drained soil.

*Loranthus* attack in *sal* plantations still continued in the Jalpaiguri Division but this pest could be eradicated by cutting the attacked branches, which was costly.

(ii) *Jarul* (*Lagerstroemia flos-reginae*) continued to be a favourite species specially for low areas. Teak (*Tectona grandis*) was found to establish itself in the drier type of *sal* area. Stumps of *jarul* were planted in marshy places at an elevation of 3,800 feet to 4,000 feet in the Kalimpong Division with poor result.

(iii) Softwood species, viz., *pitali* (*Trewia nudiflora*), *simal* (*Bombax malabaricum*) and *kadum* (*Anthocephalus indicus*) were planted in the Short Rotation Miscellaneous Working Circle with good results. But *pitali* and *simal* in places were damaged by deer.

(iv) Miscellaneous species, viz., Tung oil (*Aleurites spp.*), teak (*Tectona grandis*), *Cinchona ledgeriana*, *Cinchona succirubra* and *Coffea robusta* var. were tried in the Kalimpong Division with disappointing result, with the exception of *Aleurites spp.* in the afforestation area.

(B) *Upper, Middle and Lower Hill Forests of Darjeeling district.*—  
(i) Upper Hill Forests (elevation 7,000 feet and up).—The exotic spp., e.g., *Larix leptolepis*, *Pinus patula*, *Cupressus lusitanea*, *Thuja plicata*, *Juniperus virginiana*, *Thuja orientalis*, *Cupressus torulosa*, *Cupressus cashmiana*, *Picea morinda*, *Pinus thunbergii*, were doing well. *Cedrus deodara*, *Podocarpus thunbergii*, were not thriving well.

The indigenous spp., e.g., oaks (*Quercus lineata*), *Quercus lamellosa* and *Quercus spicata*, *kawlas* (*Machilus edulis*, *Machilus odoratissima*, *champ* (*Michelia excelsa*) were growing satisfactorily.

Kikuya grass were doing fairly well.

(ii) Middle Hill Forests (elevation 4,500 feet to 7,000 feet).—*Machilus gammicana*, *Acer campbellii*, *Quercus semiserrata* did well.

Experimental sowing with nurse crop of *Betula cylindrostachys*, *Alnus nepalensis* and *Prunus nepalensis* were started.

Kikuya grass looked promising.

(iii) Lower Hill forests (elevation up to 4,500 feet).—*Cedrela toona*, *Boehmeria rugulosa*, *Artocarpus chaplasha*, *Ailanthus grandis* were growing well. *Tectona grandis* and *Dalbergia sissoo* showed no promise. *Cryptostegia grandiflora* was a complete failure.

(C) *Nadia Waste Land.*—The object for nursery and plantations in the district of Nadia was to determine the suitability of different species for afforestation of the waste lands in the district. The species tried in the nursery were teak (*Tectona grandis*), *sisso* (*Dalbergia sissoo*), *minjri* (*Cassia siamea*) mahogany (*Swietenia macrophylla*), *muli* bamboos (*Melocanna bambusoides*) and *sabai* grass. Teak, *minjri*, *jam* and *sisso* were doing very well. *Muli* bamboos and *sabai* grass planted in May did not survive due to drought, but *muli* bamboos planted in August survived.

Teak, *sal* (*Shorea robusta*), *sisso*, *jam* (*Eugenia spp.*), *simal* (*Bombax malabaricum*), *pitali* (*Treulia spp.*), *nim* (*Melia azadirachta*), *kanthal* (*Artocarpus integrifolia*), *chopalish* (*Artocarpus chaplasha*), *minjri* and *muli* bamboos were tried in plantations. Teak, *minjri*, *jam* and *sisso* did well. *Pitali* and *chopalish* were unexpectedly poor. *Sabai* grass and *muli* bamboos survived with partial success.

(5) *Miscellaneous.*—(i) *Pyrethrum* (*Chrysanthemum cinerariaefolium*) germinated well in the Darjeeling Division in shaded nursery beds, but appeared to thrive in unshaded beds. Plants raised in the nursery were coppiced after plucking the flowers, but they could not withstand the impact of coppicing and as a result all coppiced plants died.

An experiment on the planting of 200 *pyrethrum* was undertaken under the shade of trees in natural forests, at Ramam, Darjeeling Division, but not a single plant survived.

(ii) *Cryptostegia grandiflora* plants in the experimental plot in the Kurseong Division did not look promising.

(iii) *Preservation Plots.*—The existing Preservation Plots, 28 in number, were maintained.

(iv) Linear Sample Plots, 19 in number, were all kept up.

(v) Phenological observations on *Tectona grandis* were made and recorded.

(6) *Statistics.*—Routine measurements of scientific plots were carried out as usual and records of the plots requiring computation of volume figures were sent to the Central Silviculturist, Forest Research Institute, Dehra Dun, for the purpose. Copies of other measurements, notes and observations taken on the experimental plots were also sent to the Central Silviculturist for his information and record. Observations and measurements in the Silvicultural Nurseries and Gardens were made and recorded.

There were 338 scientific plots at the end of the year as detailed below:—

|                          |      |     |     |     |     |
|--------------------------|------|-----|-----|-----|-----|
| Sample Plots             | ...  | ... | ... | ... | 193 |
| Diameter Increment Plots | .... | ... | ... | ... | 32  |
| Experimental Plots       | ...  | ... | ... | ... | 61  |
| Preservation Plots       | ...  | ... | ... | ... | 28  |
| Linear Sample Plots      | ...  | ... | ... | ... | 19  |
| Garden Plot              | ...  | ... | ... | ... | 1   |
| Botanical Line           | ...  | ... | ... | ... | 1   |
| Girth Increment Plot     | ...  | ... | ... | ... | 3   |
| Total                    | ...  | ... | ... | ... | 338 |

(7) **Records.**—General and Scientific Ledger Files numbered 235 and 300, respectively.

#### Utilisation.

50. The Divisional Forest Officer, Utilisation Division, assisted generally in the work of direction and liaison connected with the supplies of timber, etc., to Railways and other parties from the Territorial Divisions during the year. The statement below shows the orders received and supplies of timber made through the medium of the Utilisation Division during the year—

|              | Balance<br>B.F. from<br>1945-46 | Orders<br>received<br>during<br>1946-47. | Total.  | Supplies<br>made<br>during<br>1946-47. | Orders<br>cancelled<br>during<br>1946-47. | Balance<br>at the<br>close of<br>1946-47. |
|--------------|---------------------------------|--|---------|--|---|---|
|              | Tons.                           | Tons.                                    | Tons.   | Tons.                                  | Tons.                                     | Tons.                                     |
| Round timber | .. ..                           | 3,514                                    | 3,514   | 584                                    | ..  | 2,930                                     |
| Sawn timber  | .. ..                           | 1,349                                    | 1,349   | 621                                    | ..  | 728                                       |
|              | Nos.                            | Nos.                                     | Nos.    | Nos.                                   | Nos.                                      | Nos.                                      |
| Sleepers     | .. .. 110,315                   | 94,618                                   | 204,933 | 111,950                                | 55,111                                    | 37,872                                    |
|              | Tons.                           | Tons.                                    | Tons.   | Tons.                                  | Tons.                                     | Tons.                                     |
|              | 4,532                           | 3,779                                    | 8,311   | 4,550                                  | 2,055                                     | 1,705                                     |

#### CHAPTER VII—ADMINISTRATION.

51. **Chief Conservator of Forests.**—Mr. T. M. Coffey, C.I.E., I.F.S., held the charge throughout the year except for the period 2nd to 30th December 1946 when he was on leave and Mr. S. J. Curtis, O.B.E., M.C., I.F.S., held the charge.

52. **Charges of Forest Circles.**—(i) *Northern Circle.*—Mr. F. J. A. Hart, O.B.E., I.F.S., held charge throughout the year.

(ii) *Southern Circle*.—The following officers held charge for the period noted against each:—

- (a) Mr. S. J. Curtis, O.B.E., M.C., I.F.S., from 1st April 1946 to 10th May 1946.
- (b) Mr. F. J. A. Hart, O.B.E., I.F.S., from 11th May 1946 to 20th May 1946 (in addition to his own duties as Conservator of Forests, Northern Circle).
- (c) Mr. D. A. G. Davidson, I.F.S., from 21st May 1946 to 5th December 1946.
- (d) Mr. R. I. Macalpine, I.F.S., from 6th December 1946 to 4th January 1947.
- (e) Sri S. Chaudhuri, I.F.S., from 5th January 1947 to 30th January 1947.
- (f) Mr. W. E. Hodge, I.F.S., from 31st January 1947 to end of the year.

(iii) *Development Circle*.—The charge was held by the following officers for the period as noted against each:—

- (a) Mr. W. E. Hodge, I.F.S., from 1st April 1946 to 13th August 1946.
- (b) Mr. C. T. Trigg, I.F.S., from 14th August 1946 to 20th November 1946.
- (c) Mr. S. J. Curtis, O.B.E., M.C., I.F.S., from 21st November 1946 to 30th November 1946 and from 31st December 1946 to end of the year.
- (d) Sri S. Chaudhuri, I.F.S., from 1st December 1946 to 30th December 1946.

53. **Reorganisation of the Subordinate Forest Service**.—A proposal to this effect was under the consideration of Government.

54. **Divisional permanent clerical staff**.—Proposals for increasing the number of permanent clerical posts and for the creation of permanent posts of Accountants in the Divisional Forest Offices, which were submitted in the previous years, remained under the consideration of Government at the close of the year under report.

55. **General organisation**.—The inadequacy of trained staff existed as before. The great preponderance of untrained staff over trained Foresters caused much difficulty in administration and lowered efficiency in general.

56. **Deputation**.—Sri K. I. Lahiri, Deputy Conservator of Forests, who was sent for a course of Advance Forestry Training at Oxford for a period of 8 months from January 1946, returned during the year under report on completion of the training. He was then deputed to the Forest Research Institute and Colleges, Dehra Dun, from the middle of October 1946 and remained on deputation till the end of the year.

The services of Sri T. T. Samdup, Forester, were transferred to the Central Intelligence Bureau, Shillong, under the Government of India from the middle of January 1947.

57. **Temporary posts entertained in connection with Post-War Reconstruction Schemes**.—The post of an additional Instructor with menial staff was sanctioned for the Bengal Forest School during the year owing to the expansion of the School for training more Foresters required for implementation of the Post-War Reconstruction Schemes.

58. **Mahouts and Grass-cutters**.—Government in their order No. 586-For., dated the 7th June 1946, sanctioned the conversion of the posts of

Mahouts and Grass-cutters employed under the Forest Directorate, and so long borne on the Work-charged Establishment, into Temporary Establishment Menials on the following scales of pay with effect from the 1st January 1946:—

- (i) Mahout—Rs. 20—1/2—25.  
(ii) Grass-cutter—Rs. 13—1/5—17.

59. **Bengal Forest School.**—Twenty-seven (19) students, including three from Native estates—one from Sikkim, one from Tripura and one from Coqch Behar States—underwent the Foresters' Course, 1945-46. Twenty-three students came out successful including one with honours and four failed. The general standard was average.

Forty Foresters (14)—2 from the Darjeeling Division, 2 from the Kurseong Division, 5 from the Jalpaiguri Division, 5 from the Buxa Division, 6 from the Sundarban Division, 7 from the Chittagong Division, 5 from the Chittagong Hill Tracts Division, 6 from the Dacca-Mymensingh Division, 1 from the West Bengal Division and 1 from the Sikkim State—were deputed to the Bengal Forest School for training in the 1946-47 Foresters' Course.

Sri S. Sitling, B.S.F.S., held the charge of the School Division as Director up to the 6th May 1946 when he was relieved by Mr. E. A. C. Modder, I.F.S. (Retired), who on re-employment held the charge till the end of the year. Janab Idris Hossain, Forest Ranger, was the Instructor throughout the year and Janab Maziruddin Ahmed No. 2, Forest Ranger, was the Second Instructor sanctioned with effect from the 1st November 1946.

60. **Advisory Committee of the Bengal Forest School.**—The Advisory Committee met on the 4th May and the 11th October 1946, and passed certain resolutions which led to the more efficient running of the school.

61. **Retirements, casualties, etc.**—(i) *Gazetted Officers.*—The under-mentioned officers retired on superannuation pension with effect from the date as noted against each:—

- (a) Sri S. K. Basu, B.S.F.S., D.C.F.—14th November 1946.  
(b) Sri S. C. Basu, B.F.S., E.A.C.F.—14th June 1946.  
(c) Sri R. L. Acharya, B.F.S., E.A.C.F.—26th November 1946.

(ii) *Subordinate Executive and Clerical Establishments.*—The following statement summarises the retirements and other casualties in the permanent establishment during the year under report:—

| Particulars.                | Forest Rangers. | Deputy Rangers. | Foresters. | Forest Guards, etc. | Head Clerks. | Clerk-Typists. | Peons and Dakwallas. | Mahouts and Grass-cutters. | Total. |
|-----------------------------|-----------------|-----------------|------------|---------------------|--------------|----------------|----------------------|----------------------------|--------|
| (i) Died .. ..              | 1               | ..              | ..         | 8                   | ..           | 2              | ..                   | ..                         | 11     |
| (ii) Retired .. ..          | 2               | ..              | ..         | 8                   | ..           | 1              | ..                   | ..                         | 11     |
| (iii) Resigned .. ..        | ..              | ..              | 3          | 6                   | ..           | ..             | 3                    | ..                         | 12     |
| (iv) Dismissed .. ..        | ..              | ..              | 2          | 1                   | ..           | ..             | ..                   | ..                         | 3      |
| (v) Services dispensed with | 1               | ..              | 11         | 29                  | ..           | ..             | 8                    | 1                          | 50     |
| Total .. ..                 | 4               | ..              | 16         | 52                  | ..           | 3              | 11                   | 1                          | 87     |
|                             | (2)             | (1)             | (25)       | (50)                | ..           | (4)            | (18)                 | (12)                       | 118    |

62. The relation between Revenue and Forest officials was cordial.

## CHAPTER VIII—GENERAL.

63. **Forest villages.**—The following permanent and temporary forest villages were maintained during the year:—

| Forest Division. | Village numbers. |            |            |            | House numbers. |            |            |            | Area in acres. |            |            |            |
|------------------|------------------|------------|------------|------------|----------------|------------|------------|------------|----------------|------------|------------|------------|
|                  | 1946-47.         |            | 1945-46.   |            | 1946-47.       |            | 1945-46.   |            | 1946-47.       |            | 1945-46.   |            |
|                  | Permanent.       | Temporary. | Permanent. | Temporary. | Permanent.     | Temporary. | Permanent. | Temporary. | Permanent.     | Temporary. | Permanent. | Temporary. |
| Darjeeling ..    | 19               | 18         | 18         | 18         | 247            | 190        | 230        | 137        | 596            | 146        | 586        | 103        |
| Kalimpong ..     | 8                | 13         | 7          | 14         | 143            | 260        | 125        | 200        | 173            | 270        | 143        | 200        |
| Kurseong ..      | 10               | 6          | 10         | 5          | 368            | 74         | 408        | 70         | 433            | 187        | *433       | *145       |
| Jalpaiguri ..    | 88               | ..         | 38         | ..         | 590            | ..         | 560        | ..         | 2,906          | ..         | 2,906      | ..         |
| Buxa ..          | 36               | ..         | 36         | ..         | 794            | ..         | 736        | ..         | 4,861          | ..         | 4,946      | ..         |
| Total ..         | 120              | 37         | 118        | 37         | 2,142          | 524        | 2,068      | 467        | 8,969          | 573        | *9,014     | *448       |

\*Corrected figures.

64. **Elephants.**—There were 11 (11) elephants in the Northern Circle at the close of the year, *vide* Annual Form No. 23. The condition of elephants was generally good. There were only 2 cases of sore-back.

65. **Wild Birds and Animals Protection Act.**—No case was reported during the year.

66. **Death and injury caused by wild animals.**—

| Forest Divisions. | Number of persons killed by— |       |           |
|-------------------|------------------------------|-------|-----------|
|                   | Tiger.                       | Bear. | Elephant. |
| Kurseong ..       | 5                            | 1     | ..        |
| Jalpaiguri ..     | ..                           | ..    | 1         |
| Buxa ..           | ..                           | ..    | 1         |
| Total ..          | 5                            | 1     | 2         |

Three sambhars, 2 deer, 7 buffaloes, 6 bullocks, 16 cows, 16 goats, 11 ponies and 11 cattle were killed by wild animals in the Northern Circle.

67. **Death of cattle from natural causes.**—Forty-three cattle died of rinderpest in the Northern Circle.

68. **Hunting, shooting and fishing permits.**—Five hundred and forty-three (413) hunting, shooting and fishing permits were issued during the year and a sum of Rs. 13,436 (Rs. 7,845) was realised on this account.

69. **Wild animals killed.**—The following statement shows the number of wild animals shot and killed during the year:—

| All-India<br>serial No. | Species.                                     | Number<br>killed during<br>1946-47. | Average of<br>last 5 years. |
|-------------------------|--|-------------------------------------|-----------------------------|
| 1a                      | Tiger .. .. .                                | 12                                  | 9.2                         |
| 1b                      | Tigress .. .. .                              | 6                                   | 6.4                         |
| 2                       | Leopard or panther .. .. .                   | 35                                  | 17.6                        |
| 3                       | Wild cats .. .. .                            | 7                                   | 7.4                         |
| 8                       | Wild dog .. .. .                             | 1                                   | 3.2                         |
| 9                       | Marten .. .. .                               | ..                                  | .8                          |
| 12                      | Himalayan bear .. .. .                       | 3                                   | 1.0                         |
| 14                      | Sloth bear .. .. .                           | 5                                   | 2.6                         |
| 15                      | Wild elephant .. .. .                        | 1                                   | 3.6                         |
| 17                      | Gaur or bison .. .. .                        | ..                                  | .4                          |
| 25                      | Thar .. .. .                                 | ..                                  | .2                          |
| 27                      | Serow or Himalayan goat-antelope .. .. .     | 8                                   | 2.2                         |
| 28                      | Gural .. .. .                                | 9                                   | 3.6                         |
| 33                      | Barking deer or kakar .. .. .                | 183                                 | 119.8                       |
| 37                      | Sambhar .. .. .                              | 30                                  | 34.0                        |
| 38                      | Cheetal or spotted deer or axis deer .. .. . | 4                                   | 1.2                         |
| 39                      | Hog deer or para .. .. .                     | 42                                  | 26.2                        |
| 42                      | Pangolin .. .. .                             | ..                                  | ..                          |
| 43                      | Crocodile .. .. .                            | ..                                  | ..                          |
| 44                      | Gharial .. .. .                              | 1                                   | .2                          |
| 45                      | Python .. .. .                               | 2                                   | 3.0                         |
| 46                      | Others species (named below) .. .. .         | 1,771                               | 1,515.8                     |
|                         | Wild pig .. .. .                             | 268                                 |                             |
|                         | Hare .. .. .                                 | 37                                  |                             |
|                         | Porcupino .. .. .                            | 4                                   |                             |
|                         | Jungle fowl .. .. .                          | 810                                 |                             |
|                         | Peafowl .. .. .                              | 79                                  |                             |
|                         | Imperial pigeon .. .. .                      | 53                                  |                             |
|                         | Green pigeon .. .. .                         | 52                                  |                             |
|                         | Pigeons .. .. .                              | 38                                  |                             |
|                         | Kalij pheasant .. .. .                       | 86                                  |                             |
|                         | Wood snipe .. .. .                           | 170                                 |                             |
|                         | Partridge .. .. .                            | 7                                   |                             |
|                         | Wild duck .. .. .                            | 17                                  |                             |
|                         | Wood cock .. .. .                            | 9                                   |                             |
|                         | Goonch .. .. .                               | 1                                   |                             |
|                         | Fish-cutley .. .. .                          | 34                                  |                             |
|                         | Mahseer .. .. .                              | 75                                  |                             |
|                         | Others .. .. .                               | 31                                  |                             |
|                         | Total .. .. .                                | 1,771                               |                             |

70. **Shooting and Fishing Associations and Game Federation, Bengal.**—

The activities of the Shooting and Fishing Associations/Club continued to be satisfactory.

Co-operation with the Game Federation of Bengal was maintained for the preservation of fauna during the year.



71. **Capture of wild elephants.**—*Preventive measures against destruction of crops.*—One rouge elephant (tusker) was killed in the Buxa Division. *Khedda* operations were conducted in the Kalimpong and the Buxa Divisions and the sale price of the elephants caught was Rs. 30,026.

72. **General note.**—The demand for firewood by the tea gardens and that for charcoal by the inhabitants of the towns of Darjeeling and Kurseong were very heavy. Every possible step was taken to meet the heavy demands. The staff of the Darjeeling Division deserve credit for their keen efforts in maintaining the regularity in proper supply of these essential commodities in the wet, cold hills.

73. The writer of this report records here his appreciation of the services of officers and subordinates of both executive and clerical establishments for their ungrudging efforts needed by the time.

S. CHAUDHURI,

*Conservator-General of Forests, West Bengal.*

*The 7th October, 1950.*

## FORM No. 7.

(Paragraphs 1-5.)

## Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1946-47.

| Division.                | Range.                 | Civil district or territory. | Name of forests.                                       | Area on 1st April 1946. |                             | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1947. |                             | Number and date of notification of addition or transfer, etc. | Remarks. |
|--------------------------|------------------------|------------------------------|--|-------------------------|-----------------------------|------------------------|---|--------------------------|-----------------------------|---|----------|
|                          |                        |                              |  | Acres.                  | Equivalent in square miles. |                        |   | Acres.                   | Equivalent in square miles. |   |          |
| 1                        | 2                      | 3                            | 4  | 5                       | 6                           | 7                      | 8                                       | 9                        | 10                          | 11  | 12       |
| <b>RESERVED FORESTS</b>  |                        |                              |  |                         |                             |                        |   |                          |                             |   |          |
| (Under Forest Division.) |                        |                              |  |                         |                             |                        |   |                          |                             |   |          |
| <b>Northern Circle.</b>  |                        |                              |  |                         |                             |                        |   |                          |                             |   |          |
| Darjeeling               | ..                     | Darjeeling                   | ....   | 71,308                  | 111                         | ..                     | ..                                      | 71,308                   | 111                         | ..  | ..       |
| Kalimpong                | ..                     | Ditto                        | ....   | 1,84,722                | 210                         | ..                     | ..                                      | 1,84,722                 | 210                         | ..  | ..       |
| Kurseong                 | ..                     | Ditto                        | ....   | 71,662                  | 112                         | ..                     | ..                                      | 71,662                   | 112                         | ..  | ..       |
| Jalpaiguri               | ..                     | Jalpaiguri                   | ....   | 1,22,560                | 192                         | ..                     | ..                                      | 1,22,560                 | 192                         | ..  | ..       |
| Buxa                     | ..                     | Ditto                        | ....   | 2,39,434                | 374                         | ..                     | ..                                      | 2,39,434                 | 374                         | ..  | ..       |
|                          |                        |                              | Total Northern Circle.                                 | 6,39,776                | 999                         | ..                     | ..                                      | 6,39,776                 | 999                         | ..  | ..       |
| <b>Southern Circle.</b>  |                        |                              |  |                         |                             |                        |   |                          |                             |   |          |
| 24-Parganas              | Backhat and Nankhunda. | 24-Parganas                  | ....   | 10,42,815               | 1,630                       | ..                     | ..                                      | 10,42,815                | 1,630                       | ..  | ..       |
|                          |                        |                              | Total Southern Circle                                  | 10,42,815               | 1,630                       | ..                     | ..                                      | 10,42,815                | 1,630                       | ..  | ..       |
|                          |                        |                              | Total Reserved Forests under Directorate, West Bengal. | 16,82,591               | 2,629                       | ..                     | ..                                      | 16,82,591                | 2,629                       | ..  | ..       |



| Division.   | Range.                 | Civil district or territory. | Name of forests.  | Area on 1st April 1946. |                             | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1947. |                             | Number and date of notification of addition or transfer, etc. | Remarks. |
|---|------------------------|------------------------------|---|-------------------------|-----------------------------|------------------------|---|--------------------------|-----------------------------|---|----------|
|   |                        |                              |   | Acres.                  | Equivalent in square miles. |                        |   | Acres.                   | Equivalent in square miles. |   |          |
| 1   | 2                      | 3                            | 4   | 5                       | 6                           | 7                      | 8                                       | 9                        | 10                          | 11  | 12       |
| PROTECTED FORESTS.<br>(Under Forest Directorate.)<br>Northern Circle.<br>Kalmpong | ..                     | Darjeeling                   | Kalmpong Development Area.  | 173                     | ..                          | ..                     | ..                                      | 173                      | ..                          | ..  |          |
|   |                        |                              |   | 173                     | ..                          | ..                     | ..                                      | 173                      | ..                          | ..  |          |
|   |                        |                              |   | 294<br>76<br>370        | 1<br>1<br>1                 | ..                     | ..                                      | {<br>294<br>76<br>370    | 1<br>1<br>1                 | ..  |          |
| (Under other Directorates or Departments.)<br>Northern Circle.<br>Darjeeling      | ..                     | Darjeeling                   | Jalpaiguri Cantonment.<br>Leibong Cantonment<br>Total Protected Forests in the Northern Circle.                                   | 543                     | 1                           | ..                     | ..                                      | 543                      | 1                           | ..  |          |
|   |                        |                              |   | 7,72,069                | 1,207                       | ..                     | ..                                      | 7,72,069                 | 1,207                       | ..  |          |
|   |                        |                              |   | 7,72,069                | 1,207                       | ..                     | ..                                      | 7,72,069                 | 1,207                       | ..  |          |
| LEASED LAND.<br>Southern Circle.<br>24-Parganas                                   | Basirhat and Namkhana. | 24-Parganas                  | .....<br>Total leased land in West Bengal.<br>Grand Total of Reserved Forests, Protected Forests, and Leased Land in West Bengal. | 24,67,574               | 3,856                       | ..                     | ..                                      | 24,67,574                | 3,856                       | ..  |          |
|   |                        |                              |   | 24,67,574               | 3,856                       | ..                     | ..                                      | 24,67,574                | 3,856                       | ..  |          |
|   |                        |                              |   | 24,67,574               | 3,856                       | ..                     | ..                                      | 24,67,574                | 3,856                       | ..  |          |

In charge of the Military Department.

TRACTS OVER WHICH THE FOREST, DIRECTORATE HAS THE RIGHT TO Levy FINE FOR THE EXPORT OF FOREST PRODUCE THEREFROM.

(Khas Forests.)

Northern Circle.

Jalpaiguri .. ..

Under Khas Mahal.  
(a) Corrected\* figure, after deducting amount due No. 1414B dated the 13th June 1947, from the Commissioner, Rajshahi Division, to the Conservator of Forests, Northern Circle, Bengal.

|            |            |   |        |   |    |    |        |   |    |    |
|------------|------------|---|--------|---|----|----|--------|---|----|----|
| Jalpaiguri | Jalpaiguri | Maynaguri   | 181(a) | 1 | .. | .. | 181(a) | 1 | .. | .. |
|            |            | Falakata  | 648    | } | .. | .. | 648    | } | .. | .. |
| Buxa       | Jalpaiguri | Total in the Jalpaiguri Division.                             | 829    | 1 | .. | .. | 829    | 1 | .. | .. |
|            |            | Alpur Duar  | 1,218  | 2 | .. | .. | 1,218  | 2 | .. | .. |
|            |            | Bholks  | 139    | } | .. | .. | 139    | } | .. | .. |
|            |            | Total in the Buxa Division.                                   | 1,357  | 2 | .. | .. | 1,357  | 2 | .. | .. |
|            |            | Total Khas Forests in the Northern Circle and in West Bengal. | 2,186  | 3 | .. | .. | 2,186  | 3 | .. | .. |

# FORM No. 3.

(Paragraph 6.)

## Progress made in Forest Settlements during the year 1946-47.

| Forest division. | Civil district or territory. | Name of forest. | Area in square miles.            |                                  |                            | Cost during year.   |                    | Entire cost per square mile of area finally settled. | Government notification of settlement. |                 |
|------------------|------------------------------|-----------------|----------------------------------|----------------------------------|----------------------------|---------------------|--------------------|--|--|-----------------|
|                  |                              |                 | Finally settled during the year. | In hand at commencement of year. | Taken in hand during year. | In forest accounts. | In other accounts. |  | Number.                                | Date.           |
| 1                | 2                            | 3               | 4                                | 5                                | 6                          | 7                   | 8                  | 9  | 10                                     | 11              |
| Kalimpong        | Darjeeling ..                | Dolapchen Ridge | ..                               | 0.54                             | ..                         | ..                  | ..                 | ..   | 7510 For.                              | 18th July 1942. |
|                  |                              | Total ..        | ..                               | 0.54                             | ..                         | ..                  | ..                 | ..   |  |                 |

FORM No. 9.

(Paragraph 7.)

Record of Demarcation and Maintenance of Boundaries, 1946-47.

| Division.                | Length of boundaries artificially demarcated during the year. | Length of previously existing boundaries repaired. | Length of previously existing boundaries not repaired. | Total length of artificially marked boundaries at close of the year. | Length of boundaries still to be demarcated at close of the year. | Length of natural boundaries not requiring artificial marks. | Total length of boundaries at the close of the year. | Expenditure on demarcation during the year. |             | Remarks. |
|--------------------------|---|--|--|--|---|--|--|---|-------------|----------|
|                          |   |  |  |  |   |  |  | On new work.                                | On repairs. |          |
| 1                        | 2   | 3  | 4  | 5  | 6   | 7  | 8  | 9   | 10          | 11       |
|                          | Miles.  | Miles.   | Miles.   | Miles.   | Miles.  | Miles.   | Miles.   | Ra.   | Ra.         |          |
| <b>NORTHERN CIRCLE.</b>  |   |  |  |  |   |  |  |   |             |          |
| Reserved Forests.        |   |  |  |  |   |  |  |   |             |          |
| Darjeeling ..            | ..  | 117  | 41   | 158  | ..  | 74   | 232  | ..  | 882         |          |
| Kanchenjunga ..          | ..  | 181  | 31 (a)   | 212  | ..  | 73   | 285  | ..  | 1,306       |          |
| Kampong ..               | ..  | 119  | 3  | 122  | ..  | 129  | 251  | ..  | 1,700       |          |
| Jalpaiguri ..            | ..  | 168  | 12   | 180  | 3   | 150  | 333  | ..  | 1,850       |          |
| Buxa ..                  | ..  | 200  | 38   | 238  | ..  | 97   | 335  | ..  | 2,390       |          |
| Total Northern circle .. | ..  | 785  | 125  | 910  | 3   | 523  | 1,436  | ..  | 8,123       |          |
| <b>SOUTHERN CIRCLE.</b>  |   |  |  |  |   |  |  |   |             |          |
| Reserved Forests.        |   |  |  |  |   |  |  |   |             |          |
| 24-Parganas Division ..  | ..  | 6  | ..   | 6  | ..  | 298  | 304  | ..  | 304         |          |
| Grand Total, Bengal ..   | ..  | 791  | 125  | 916  | 3   | 821  | 1,740  | ..  | 8,432       |          |

(a) Includes 7 miles maintained by the Civil Department and 19 miles by the Cinchona Department.

**FORM No. 10.**  
(Paragraph 8.)

**Statement showing forest areas surveyed and under survey by the Survey of India Department during the year 1946-47.**

| Division.             | Topographical surveys.                         |           |              |           |        |     |           |           |              |     | Ordinary surveys not paid for by Forest Department. |           |              |       |          |              | Boundary surveys. |       | Total area surveyed. | Area remaining to be surveyed. | Total area as per Form No. 7. |
|-----------------------|--|-----------|--------------|-----------|--------|-----|-----------|-----------|--------------|-----|---|-----------|--------------|-------|----------|--------------|-------------------|-------|----------------------|--------------------------------|-------------------------------|
|                       | Special surveys paid for by Forest Department. |           |              |           |        |     | Previous. |           |              |     |   |           | Of the year. |       | Previous | Of the year. |                   |       |                      |                                |                               |
|                       | Previous.                                      |           | Of the year. |           | Cost.  |     | Previous. |           | Of the year. |     | Smaller scales.                                     |           | Sq. m.       | L. m. |          |              |                   |       |                      |                                |                               |
|                       | Sq. m.   | 2" = 1 M. | 4" = 1 M.    | 2" = 1 M. | Sq. m. | Rs. | Sq. m.    | 2" = 1 M. | Sq. m.       | Rs. | Sq. m.  | 2" = 1 M. |              |       |          |              | Sq. m.            | L. m. |                      |                                |                               |
|                       |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| 1                     |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| NORTHERN CIRCLE.      |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| Reserved Forests.     |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| Darjeeling            | ..   | ..        | ..           | ..        | ..     | ..  | 12,315    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 111               | 2     | 113                  | ..                             |                               |
| Kalimpong             | ..   | ..        | ..           | ..        | ..     | ..  | 19,385    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 221               | 4     | 225                  | ..                             |                               |
| Kurseong              | ..   | ..        | ..           | ..        | ..     | ..  | 7,702     | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 112               | ..    | 112                  | ..                             |                               |
| Jalpaiguri            | ..   | ..        | ..           | ..        | ..     | ..  | 20,819    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 179               | 14    | 193                  | ..                             |                               |
| Buxa                  | ..   | ..        | ..           | ..        | ..     | ..  | 36,944    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 353               | 22    | 375                  | ..                             |                               |
| Total                 | ..   | ..        | ..           | ..        | ..     | ..  | 97,065    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 976               | 42    | 1,018                | ..                             |                               |
| Protected Forests.    |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| Darjeeling            | ..   | ..        | ..           | ..        | ..     | ..  | ..        | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | ..                | 1     | 1                    | ..                             |                               |
| Kalimpong             | ..   | ..        | ..           | ..        | ..     | ..  | ..        | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | ..                | ..    | ..                   | ..                             |                               |
| Total Northern Circle | ..   | ..        | ..           | ..        | ..     | ..  | 97,065    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 976               | 43    | 1,019                | ..                             |                               |
| SOUTHERN CIRCLE.      |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| Reserved Forests.     |  |           |              |           |        |     |           |           |              |     |   |           |              |       |          |              |                   |       |                      |                                |                               |
| 24-Parganas           | ..   | ..        | 1,685        | ..        | ..     | ..  | 81,062    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 1,685             | 45    | 1,630                | ..                             |                               |
| Total Southern Circle | ..   | ..        | 1,685        | ..        | ..     | ..  | 81,062    | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 1,685             | 45    | 1,630                | ..                             |                               |
| Grand Total, Bengal   | ..   | ..        | 1,685        | ..        | ..     | ..  | 1,78,127  | ..        | ..           | ..  | ..  | ..        | ..           | ..    | ..       | ..           | 2,561             | 88    | 2,649                | ..                             |                               |



## FORM No. 11.

(Paragraphs 9—11.)

## Progress made in Working Plans during the year 1946-47.

| Division.                 | Area under sanctioned working plans. |                    |                       |                       |   | Area not under working plans. |                               |                          |                  | Total forest area in Form No. 7 (Total of columns 5, 7, 8 and 9). | Revisions.                  |                                       |     | Expenditure on working plans during the year. |
|---------------------------|--------------------------------------|--------------------|-----------------------|-----------------------|---|-------------------------------|-------------------------------|--------------------------|------------------|---|-----------------------------|---------------------------------------|-----|---|
|                           | At commencement of year.             | Added during year. | Deducted during year. | At close of the year. |   | Plans under pre-paration.     | Plans not under pre-paration. |                          | Due or required. |   | In progress at end of year. | Revised plans sanctioned during year. |     |   |
|                           |                                      |                    |                       | Actual Area.          | Per cent. of total forest area (as shown in column 10). |                               | Required at present.          | Not required at present. |                  |   |                             |                                       |     |   |
| 1                         | 2                                    | 3                  | 4                     | 5                     | 6   | 7                             | 8                             | 9                        | 10               | 11  | 12                          | 13                                    | 14  |   |
| <b>NORTHERN CIRCLE.</b>   |                                      |                    |                       |                       |   |                               |                               |                          |                  |   |                             |                                       |     |   |
| <b>Reserved Forests.</b>  |                                      |                    |                       |                       |   |                               |                               |                          |                  |   |                             |                                       |     |   |
| Darjeeling ..             | 112                                  | ..                 | ..                    | 112                   | 100   | ..                            | 1                             | ..                       | 113              | ..  | ..                          | ..                                    | ..  |   |
| Kalimpong ..              | ..                                   | ..                 | ..                    | ..                    | ..  | 225                           | ..                            | ..                       | 225              | ..  | ..                          | ..                                    | 100 |   |
| Kurseong ..               | 112                                  | ..                 | ..                    | 112                   | 100   | ..                            | ..                            | ..                       | 112              | ..  | ..                          | ..                                    | 290 |   |
| Jalpaiguri ..             | 192                                  | ..                 | ..                    | 192                   | 99  | ..                            | ..                            | 1                        | 193              | 192   | 192                         | ..                                    | 340 |   |
| Buxa ..                   | 367                                  | ..                 | ..                    | 367                   | 97  | 5                             | ..                            | 3                        | 375              | 374   | 374                         | ..                                    | 72  |   |
| Total ..                  | 783                                  | ..                 | ..                    | 783                   | 77  | 230                           | 1                             | 4                        | 1,018            | 566   | 566                         | ..                                    | 802 |   |
| <b>Protected Forests.</b> |                                      |                    |                       |                       |   |                               |                               |                          |                  |   |                             |                                       |     |   |
| Darjeeling ..             | ..                                   | ..                 | ..                    | ..                    | ..  | ..                            | 1                             | ..                       | 1                | ..  | ..                          | ..                                    | ..  |   |
| Total Northern Circle     | 783                                  | ..                 | ..                    | 783                   | 77  | 230                           | 2                             | 4                        | 1,019            | 566   | 566                         | ..                                    | 802 |   |
| <b>SOUTHERN CIRCLE.</b>   |                                      |                    |                       |                       |   |                               |                               |                          |                  |   |                             |                                       |     |   |
| <b>Reserved Forests.</b>  |                                      |                    |                       |                       |   |                               |                               |                          |                  |   |                             |                                       |     |   |
| 24-Parganas ..            | 1,630                                | ..                 | ..                    | 1,630                 | 100   | ..                            | ..                            | ..                       | 1,630            | ..  | ..                          | ..                                    | ..  |   |
| Grand Total, Bengal ..    | 2,413                                | ..                 | ..                    | 2,413                 | 177   | 230                           | 2                             | 4                        | 2,649            | 566   | 566                         | ..                                    | 802 |   |





## Repairs executed during the year.

| Division.             | Buildings.        |              |  |         | Roads and paths. |       |        |               |         |         |        |                                 |                             |                             | Other works.                |     |
|-----------------------|-------------------|--------------|--|---------|------------------|-------|--------|---------------|---------|---------|--------|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----|
|                       | Expenditure on—   |              |  |         | Cart roads.      |       |        | Bridle paths. |         | Others. |        | Total length of paths or roads. | Total expenditure incurred. | Total expenditure incurred. | Total expenditure incurred. |     |
|                       | Houses, huts, &c. | Rest houses. | Houses for subordinate establishments. | Others. | Length.          | Cost. | Miles. | Rs.           | Length. | Cost.   | Miles. |                                 |                             |                             |                             | Rs. |
|                       |                   |              |  |         |                  |       |        |               |         |         |        |                                 |                             |                             |                             |     |
| 1                     | 9(a)              | 9(b)         | 9(c)                                   | 9(d)    | 10               | 11(a) | 11(b)  | 11(c)         | 11(d)   | 11(e)   | 11(f)  | 12                              | 13                          | 14                          | 15                          |     |
| NORTHERN CIRCLE.      |                   |              |  |         |                  |       |        |               |         |         |        |                                 |                             |                             |                             |     |
| Darjeeling            | 1,441             | 2,081        | 2,311                                  | 643     | 6,476            | 37    | 16,903 | 192           | 1,891   | 17      | 318    | 246                             | 19,117                      | 3,179                       | 28,772                      |     |
| Kalimpong             | 1,590             | 4,625        | 6,093                                  | 633     | 12,946           | 51    | 4,172  | 63            | 1,118   | 34      | 460    | 143                             | 5,750                       | 1,900                       | 19,996                      |     |
| Kurseong              | 718               | 2,006        | 7,205                                  | 1,497   | 11,426           | 81    | 14,503 | 156           | 3,497   | ..      | ..     | 237                             | 18,000                      | 2,798                       | 32,224                      |     |
| Bhagal Forest School  | ..                | 502          | 2,837                                  | ..      | 3,339            | ..    | ..     | ..            | ..      | ..      | ..     | ..                              | ..                          | 1,073                       | 4,412                       |     |
| Jalpaiguri            | 895               | 3,367        | 6,740                                  | 1,245   | 12,247           | 131   | 6,993  | 6             | 38      | 22      | 969    | 209                             | 8,000                       | 2,420                       | 22,667                      |     |
| Buxa                  | 1,456             | 4,143        | 19,005                                 | 3,362   | 27,966           | 274   | 27,507 | 94            | 1,578   | 35      | 4,165  | 403                             | 83,250                      | 9,150                       | 70,366                      |     |
| Total Northern Circle | 6,100             | 16,724       | 44,191                                 | 7,355   | 74,400           | 624   | 70,983 | 511           | 8,122   | 108     | 5,912  | 1,243                           | 84,117                      | 19,920                      | 1,73,437                    |     |

[illegible]

**Note.**—

|  | Northern<br>Circle. | Southern<br>Circle. | Develop-<br>ment<br>Circle. | Total.   |
|--|---------------------|---------------------|-----------------------------|----------|
|  | Rs.                 | Rs.                 | Rs.                         | Rs.      |
| Column (8)   | .. .. 3,90,904      | 429                 | 1,13,369                    | 5,04,701 |
| Column (15)  | .. .. 1,73,437      | 1,392               | 7,000                       | 1,86,829 |
| Pay and travelling allowance of Chowkidars<br>and Darwaza. | 20,225              | ..                  | ..                          | 20,225   |
| Total  | .. 5,89,566         | 1,920               | 1,20,369                    | 7,11,755 |

# FORM No. 13.

(Paragraphs 16—21.)

## Statement showing register of breaches of Forest Rules during the year 1946-47.

| Forest Division.        | New cases of the year.            |    |      |                           |    |    |                       |     |    |                       |     |    |                 |       |    |        |       |    |  |
|-------------------------|-----------------------------------|----|------|---------------------------|----|----|-----------------------|-----|----|-----------------------|-----|----|-----------------|-------|----|--------|-------|----|--|
|                         | Cases pending from previous year. |    |      | Injury to forest by fire. |    |    | Unauthorised felling. |     |    | Unauthorised grazing. |     |    | Other offences. |       |    | Total. |       |    |  |
|                         | A                                 | B  | All. | A                         | B  | C  | A                     | B   | C  | A                     | B   | C  | A               | B     | C  | A      | B     | C  |  |
| 1                       | 2                                 | 3  | 4    | 5                         | 6  | 7  | 8                     | 9   | 10 | 11                    | 12  | 13 | 14              | 15    | 16 | 17     | 18    | 19 |  |
| <b>NORTHERN CIRCLE.</b> |                                   |    |      |                           |    |    |                       |     |    |                       |     |    |                 |       |    |        |       |    |  |
| Darjeeling ..           | 13                                | 8  | 21   | ..                        | 1  | .. | 29                    | 244 | 1  | ..                    | 59  | .. | 12              | 352   | 2  | 41     | 656   | 3  |  |
| Kalimpong ..            | 1                                 | 5  | 6    | ..                        | .. | 7  | 1                     | 21  | .. | ..                    | 138 | .. | ..              | 75    | .. | 1      | 234   | 7  |  |
| Kurseong ..             | 4                                 | 6  | 10   | ..                        | .. | 5  | ..                    | 5   | 1  | ..                    | 28  | .. | 2               | 221   | .. | 2      | 254   | 6  |  |
| Jaldiguri ..            | 1                                 | 28 | 29   | ..                        | .. | 6  | ..                    | 37  | 2  | ..                    | 377 | .. | 1               | 153   | 2  | 1      | 567   | 10 |  |
| Buxa ..                 | 4                                 | 8  | 12   | ..                        | .. | 8  | 1                     | 52  | 3  | ..                    | 105 | 1  | 8               | 125   | .. | 4      | 282   | 12 |  |
| Total Northern Circle   | 23                                | 55 | 78   | ..                        | 1  | 26 | 31                    | 359 | 7  | ..                    | 707 | 1  | 15              | 926   | 4  | 49     | 1,993 | 38 |  |
| <b>SOUTHERN CIRCLE.</b> |                                   |    |      |                           |    |    |                       |     |    |                       |     |    |                 |       |    |        |       |    |  |
| 24-Parganas ..          | 5                                 | .. | 5    | ..                        | .. | .. | 3                     | 104 | 1  | ..                    | ..  | .. | 12              | 211   | 8  | 15     | 315   | 4  |  |
| Grand Total             | 28                                | 55 | 83   | ..                        | 1  | 26 | 34                    | 463 | 8  | ..                    | 707 | 1  | 30              | 1,137 | 7  | 64     | 2,308 | 42 |  |

N. B.—A means taken into Court.  
B means cases disposed of under section 68 of the Indian Forest Act, 1927.  
C means undetected cases.

|                  |    | Disposed of during the year. |      |       |    |              |    |          |    |             |    |          |    |        |       |          |       |        |    |          |     | Cases pending at close of year. |   |      |
|------------------|----|------------------------------|------|-------|----|--------------|----|----------|----|-------------|----|----------|----|--------|-------|----------|-------|--------|----|----------|-----|---------------------------------|---|------|
|                  |    | Total cases.                 |      |       |    | Convictions. |    |          |    | Acquittals. |    |          |    | Total. |       |          |       |        |    |          |     |                                 |   |      |
|                  |    |                              |      |       |    | Cases.       |    | Persons. |    | Cases.      |    | Persons. |    | Cases. |       | Persons. |       | Cases. |    | Persons. |     |                                 |   |      |
|                  |    |                              |      |       |    |              |    |          |    |             |    |          |    |        |       |          |       |        |    |          |     |                                 |   |      |
| A                | B  | C                            | All. | A     | B  | A            | B  | A        | B  | A           | B  | A        | B  | A      | B     | A        | B     | A      | B  | A        | B   | All.                            | B | All. |
| 1                | 20 | 21                           | 22   | 23    | 24 | 25           | 26 | 27       |    |             |    |          |    |        |       |          |       |        |    |          |     |                                 |   |      |
| NORTHERN CIRCLE. |    |                              |      |       |    |              |    |          |    |             |    |          |    |        |       |          |       |        |    |          |     |                                 |   |      |
|                  | 54 | 664                          | 3    | 721   | 3  | 636          | 6  | 801      | 2  | ..          | 6  | ..       | 5  | 636    | 641   | 12       | 801   | 813    | 49 | 28       | 77  |                                 |   |      |
|                  | 2  | 230                          | 7    | 248   | 2  | 232          | 2  | 330      | .. | ..          | .. | ..       | 2  | 232    | 234   | 2        | 330   | 332    | .. | 7        | 7   |                                 |   |      |
|                  | 6  | 260                          | 6    | 272   | 1  | 248          | 3  | 348      | .. | ..          | .. | ..       | 1  | 248    | 249   | 3        | 348   | 351    | 5  | 12       | 17  |                                 |   |      |
|                  | 2  | 595                          | 10   | 607   | 1  | 573          | 4  | 1,093    | .. | 9           | .. | 18       | 1  | 582    | 583   | 4        | 1,111 | 1,115  | 1  | 13       | 14  |                                 |   |      |
|                  | 8  | 290                          | 12   | 310   | 4  | 286          | 7  | 546      | 1  | ..          | 1  | ..       | 5  | 286    | 291   | 8        | 546   | 554    | 3  | 4        | 7   |                                 |   |      |
|                  | 72 | 2,048                        | 38   | 2,154 | 11 | 1,975        | 22 | 3,118    | 3  | 9           | 7  | 18       | 14 | 1,984  | 1,998 | 29       | 3,136 | 3,165  | 53 | 64       | 122 |                                 |   |      |
| SOUTHERN CIRCLE. |    |                              |      |       |    |              |    |          |    |             |    |          |    |        |       |          |       |        |    |          |     |                                 |   |      |
|                  | 20 | 315                          | 4    | 339   | 9  | 315          | 17 | 1,076    | 2  | ..          | .. | 7        | 10 | 315    | 325   | 17       | 1,083 | 1,100  | 10 | ..       | 10  |                                 |   |      |
|                  | 92 | 2,363                        | 42   | 2,497 | 19 | 2,290        | 39 | 4,194    | 5  | 9           | 7  | 25       | 24 | 2,299  | 2,323 | 46       | 4,219 | 4,265  | 68 | 64       | 132 |                                 |   |      |

FORM No. 14.

(Paragraph 22.)

Area of Forest Tracts protected from fire during 1946-47.

| 1<br>Division. | 2<br>Forest Range. | 3<br>Year in which protection commenced. | 4<br>Area attempted to be protected in 1945-46.<br>Acres. | 5<br>Area actually protected in 1945-46.<br>Acres. | 6<br>Area attempted to be protected in 1946-47.<br>Acres. | 7<br>Failure, 1946-47.<br>Acres. | 8<br>Area actually protected in 1946-47.<br>Acres. | 9<br>Cost.<br>Rs. |
|----------------|--------------------|--|---|--|---|----------------------------------|--|-------------------|
| Darjeeling     | Tonglu<br>Singalla | 1891-92                                  | 14,766  | 14,766   | 14,766  | ..                               | 14,766   | ..                |
|                |                    | 1891-92                                  | 27,683  | 27,683   | 27,683  | ..                               | 27,683   | ..                |
|                | Plantation Areas.  |  |   |  |   |                                  |  |                   |
|                | Senchal            | 1879-80                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                | Ghum-Simana        | 1879-80                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                | Takdash            | 1885-86                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                | Tista Valley       | 1891-82                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                | Darjeeling         | 1918-19                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                | Total              | ..                                       | 54,576  | 54,549   | 54,549  | 34                               | 12,066   | 2,549             |
|                | Kalimpong          | 1879-80                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
| Kalimpong      | Kalimpong          | 1885-86                                  | 18,135  | 17,925   | 18,135  | 15                               | 18,120   | 1,508             |
|                |                    | 1903-04                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                |                    | 1906-07                                  | ..  | ..   | ..  | ..                               | ..   | ..                |
|                |                    | 1879-80                                  | 32,825  | 30,033   | 32,825  | 34                               | 32,791   | ..                |
|                | Chel               | 1879-80                                  | 16,976  | 16,961   | 16,976  | 2                                | 16,974   | ..                |
|                | Neora              | 1879-80                                  | 26,205  | 24,896   | 26,205  | 75                               | 26,186   | ..                |
|                | Jaldhaka           | 1879-80                                  | 40,893  | 40,814   | 40,893  | 4                                | 40,889   | ..                |
|                | Pankasari          | 1924-25                                  | 173   | 173  | 173   | ..                               | 173  | ..                |
|                | Reclamation        | 1942-43                                  | 188   | 188  | 188   | ..                               | 188  | ..                |
|                | 1944-45            | ..                                       | 1,34,895  | 1,30,490   | 1,34,895  | 180                              | 1,34,765   | 1,508             |
|                | Total              | ..                                       | 1,34,895  | 1,30,490   | 1,34,895  | 180                              | 1,34,765   | 1,508             |



|            |    |            |         |         |        |          |          |          |        |          |       |     |
|------------|----|------------|---------|---------|--------|----------|----------|----------|--------|----------|-------|-----|
| Kunseong   | .. | Sukna      | ..      | 1876-85 | ..     | 9,604    | 9,051    | 9,604    | ..     | 9,604    | 9,604 | 774 |
|            | .. | Bagdogra   | ..      | 1876-85 | ..     | 7,888    | 7,888    | 7,888    | 81     | 7,807    | 76    |     |
|            | .. | Pankhabari | ..      | 1876-85 | ..     | 9,852    | 9,852    | 9,852    | 700    | 8,652    | 716   |     |
|            | .. | Seroke     | ..      | 1876-85 | ..     | 10,752   | 10,752   | 10,752   | 55     | 10,697   | 567   |     |
|            | .. | Kurseong   | ..      | 1919-20 | ..     | 1,687    | 1,687    | 1,687    | ..     | 1,687    | 168   |     |
|            |    | Total      | ..      |         | ..     | 38,783   | 87,340   | 38,783   | 886    | 87,947   | 2,296 |     |
| Jalpaiguri | .. | ..         | ..      | 1878-79 | ..     | 15,124   | 9,963    | 15,124   | ..     | 15,124   | 1,685 |     |
|            | .. | ..         | ..      | 1931-32 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1878-79 | ..     | 69,597   | 69,572   | 69,597   | 24     | 69,573   |       |     |
|            | .. | ..         | ..      | 1908-09 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1931-32 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1872-73 | ..     | 17,719   | 17,618   | 17,719   | ..     | 17,719   |       |     |
|            | .. | ..         | ..      | 1878-79 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1881-82 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1904-05 | ..     |          |          |          |        |          |       |     |
|            | .. | ..         | ..      | 1907-08 | ..     |          |          |          |        |          |       |     |
| ..         | .. | ..         | 1931-32 | ..      |        |          |          |          |        |          |       |     |
| ..         | .. | ..         | 1904-05 | ..      | 17,267 | 17,267   | 17,267   | ..       | 17,267 |          |       |     |
| ..         | .. | ..         | 1931-32 | ..      |        |          |          |          |        |          |       |     |
|            |    | Total      | ..      |         | ..     | 1,19,707 | 1,14,420 | 1,19,707 | 24     | 1,19,683 | 1,685 |     |

| Division.   | Forest Range. | Year in which protection commenced.                                       | Area attempted to be protected in 1945-46. | Area actually protected in 1945-46.       | Area attempted to be protected in 1946-47. | Failure, 1946-47. | Area actually protected in 1946-47. | Cost. |
|-------------|---------------|---|--|---|--|-------------------|-------------------------------------|-------|
| 1           | 2             | 3   | 4  | 5   | 6  | 7                 | 8                                   | 9     |
|             |               |   | Acres.                                     | Acres.                                    | Acres.                                     | Acres.            | Acres.                              | Rs.   |
| <b>Busa</b> | Rajabhatkhawa | 1876-77<br>1905-06<br>1924-25   | ..<br>2,045<br>..                          | ..<br>2,020<br>..                         | 2,045                                      | 7                 | 2,083                               | 238   |
| Damanpur    | ..            | 1924-25   | ..   | 3,435                                     | 3,435                                      | ..                | 3,435                               | 100   |
| Baksa-Duar  | ..            | 1876-77<br>1905-06<br>1920-21<br>1922-23<br>1941-42                       | ..<br>..<br>..<br>..<br>..                 | ..<br>1,037<br>..                         | 1,042                                      | 51                | 991                                 | 400   |
| Chilapata   | ..            | 1879-80<br>1883-84<br>1888-89<br>1890-91<br>1895-96<br>1922-23<br>1940-41 | ..<br>..<br>..<br>..<br>..<br>..<br>..     | ..<br>..<br>..<br>..<br>..<br>6,686<br>.. | 6,680                                      | ..                | 6,680                               | 250   |
| Nilpara     | ..            | 1879-80<br>1883-84<br>1923-24<br>1936-37<br>1938-39<br>1939-40            | ..<br>..<br>..<br>..<br>..<br>..           | ..<br>11,903<br>11,788<br>..<br>..<br>..  | 11,903                                     | 76                | 11,928                              | 250   |

|             |    |           |    |          |          |          |       |          |        |
|-------------|----|-----------|----|----------|----------|----------|-------|----------|--------|
| Rydak       | .. | 1878-79   | .. | 570      | 407      | 570      | 188   | 482      | 580    |
|             | .. | 1895-96   | .. | 570      | 407      | 570      | 188   | 482      | 580    |
|             | .. | 1922-23   | .. | 570      | 407      | 570      | 188   | 482      | 580    |
|             | .. | 1923-24   | .. | 570      | 407      | 570      | 188   | 482      | 580    |
| Bholka      | .. | 1878-79   | .. | 1,432    | 1,317    | 1,432    | 1     | 1,431    | 250    |
|             | .. | 1882-83   | .. | 1,432    | 1,317    | 1,432    | 1     | 1,431    | 250    |
|             | .. | 1895-96   | .. | 1,432    | 1,317    | 1,432    | 1     | 1,431    | 250    |
|             | .. | 1899-1900 | .. | 1,432    | 1,317    | 1,432    | 1     | 1,431    | 250    |
| Total       |    | ..        | .. | 27,107   | 24,729   | 27,107   | 272   | 26,835   | 2,010  |
| Grand Total |    | ..        | .. | 3,75,063 | 3,63,523 | 3,75,041 | 1,296 | 3,73,745 | 10,048 |

# FORM No. 15.

(Paragraph 22.)

## Causes of forest fires, 1946-47.

| Division or Circle. |    | (A) Fires caused by accident or through carelessness in burning fire-lines. |    |                      |    | (B) Fires entering the forest by crossing exterior fire traces. |                      |                                    |                      | (C) Fires beginning inside the reserve or fire-traced area. |                      |                     |                      |   |                      |  |                      |
|---------------------|----|---|----|----------------------|----|---|----------------------|------------------------------------|----------------------|---|----------------------|---------------------|----------------------|---|----------------------|--|----------------------|
|                     |    | No. of fires.   |    | Area burnt in acres. |    | No. of fires.   | Area burnt in acres. | Owing to carelessness or accident. |                      |   |                      | By railway engines. |                      | By villagers, travelers, etc., passing through the forests. |                      | By workmen employed in the forests, by purchasers of forest-produce and by Ya cutters. |                      |
|                     |    |   |    |                      |    |   |                      |                                    |                      |   |                      |                     |                      |   |                      |  |                      |
|                     |    | 2   | 3  | 4                    | 5  | 6   | 7                    | No. of fires.                      | Area burnt in acres. | No. of fires.   | Area burnt in acres. | No. of fires.       | Area burnt in acres. | No. of fires.   | Area burnt in acres. | No. of fires.  | Area burnt in acres. |
| 1                   |    |   |    |                      |    |   |                      |                                    |                      |   |                      |                     |                      |   |                      |  |                      |
| NORTHERN CIRCLE.    |    |   |    |                      |    |   |                      |                                    |                      |   |                      |                     |                      |   |                      |  |                      |
| Darjeeling          | .. | 1   | .. | ..                   | .. | ..  | ..                   | 3                                  | 34                   | ..  | ..                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |
| Kalimpong           | .. | ..  | .. | ..                   | .. | ..  | ..                   | 7                                  | 130                  | ..  | ..                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |
| Kurseong            | .. | ..  | .. | ..                   | .. | ..  | ..                   | 2                                  | 708                  | 1   | 29                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |
| Jabalpur            | .. | ..  | .. | ..                   | .. | ..  | ..                   | 3                                  | 10                   | 2   | 10                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |
| Buxa                | .. | ..  | .. | ..                   | .. | ..  | ..                   | 8                                  | 272                  | ..  | ..                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |
| Total               | .. | 1   | .. | ..                   | .. | ..  | ..                   | 23                                 | 1,154                | 3   | 39                   | ..                  | ..                   | ..  | ..                   | ..   | ..                   |

| (C) Fires beginning inside the reserve or fire-traced area. |                               |                      |   |                      |                    |                      |               |                      |               |                      |                 |                      |               |                      | Total (A), (B) and (C). |
|---|-------------------------------|----------------------|---|----------------------|--------------------|----------------------|---------------|----------------------|---------------|----------------------|-----------------|----------------------|---------------|----------------------|-------------------------|
| Division or Circle.   | By intentional firing.        |                      |   |                      |                    |                      | Total.        |                      |               |                      | Causes unknown. |                      |               |                      |                         |
|   | In order to obtain new grass. |                      | In order to turn out game or to reduce cover. |                      | Maliciously fired. |                      | No. of fires. | Area burnt in acres. | No. of fires. | Area burnt in acres. | No. of fires.   | Area burnt in acres. | No. of fires. | Area burnt in acres. |                         |
|   | No. of fires.                 | Area burnt in acres. | No. of fires.                                 | Area burnt in acres. | No. of fires.      | Area burnt in acres. |               |                      |               |                      |                 |                      |               |                      |                         |
| 1   | 14                            | 15                   | 16  | 17                   | 18                 | 19                   | 20            | 21                   | 22            | 23                   | 24              | 25                   |               |                      |                         |
| NORTHERN CIRCLE.  |                               |                      |   |                      |                    |                      |               |                      |               |                      |                 |                      |               |                      |                         |
| Darjeeling  | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 3             | 34                   | ..            | ..                   | 4               | 34                   |               |                      |                         |
| Kalimpong   | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 7             | 130                  | ..            | ..                   | 7               | 130                  |               |                      |                         |
| Kurseong  | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 3             | 737                  | 2             | 99                   | 5               | 836                  |               |                      |                         |
| Jalpaiguri  | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 5             | 20                   | 1             | 4                    | 6               | 24                   |               |                      |                         |
| Buxa  | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 8             | 272                  | ..            | ..                   | 8               | 272                  |               |                      |                         |
| Total   | ..                            | ..                   | ..  | ..                   | ..                 | ..                   | 26            | 1,193                | 3             | 103                  | 30              | 1,296                |               |                      |                         |

## FORM No. 16.

(Paragraphs 23—25.)

## Statement of areas closed and open to grazing during 1946-47.

Area in Square Miles.

| Division.                     | Area closed to grazing of all animals throughout the year. | Area open to grazing throughout the year. |                       | Balance, that is area open to grazing for a part of the year (and therefore closed for the remainder). |                       | Total.       |
|-------------------------------|--|---|-----------------------|--|-----------------------|--------------|
|                               |  | Of all animals.                           | Of non-browsers only. | Of all animals.  | Of non-browsers only. |              |
| 1                             | 2  | 3   | 4                     | 5  | 6                     | 7            |
|                               | Sq. miles.   | Sq. miles.                                | Sq. miles.            | Sq. miles.   | Sq. miles.            | Sq. miles.   |
| <b>NORTHERN CIRCLE.</b>       |  |   |                       |  |                       |              |
| <b>Reserved Forest.</b>       |  |   |                       |  |                       |              |
| Darjeeling ..                 | 49   | ..  | 64                    | ..   | ..                    | 113          |
| Kalimpong ..                  | 162  | ..  | 63                    | ..   | ..                    | 225          |
| Kurseong ..                   | 82   | ..  | 30                    | ..   | ..                    | 112          |
| Jalpaiguri ..                 | 190  | ..  | ..                    | ..   | 3                     | 193          |
| Buxa ..                       | 368  | ..  | 7                     | ..   | ..                    | 375          |
| <b>Total ..</b>               | <b>851</b>   | <b>..</b>                                 | <b>164</b>            | <b>..</b>  | <b>3</b>              | <b>1,018</b> |
| <b>Protected Forest.</b>      |  |   |                       |  |                       |              |
| Darjeeling ..                 | 1  | ..  | ..                    | ..   | ..                    | 1            |
| <b>Total Northern Circle</b>  | <b>852</b>   | <b>..</b>                                 | <b>164</b>            | <b>..</b>  | <b>3</b>              | <b>1,019</b> |
| <b>SOUTHERN CIRCLE.</b>       |  |   |                       |  |                       |              |
| <b>Reserved Forest.</b>       |  |   |                       |  |                       |              |
| 24-Parganas ..                | 1,630  | ..  | ..                    | ..   | ..                    | 1,630        |
| <b>Grand Total, Bengal ..</b> | <b>2,482</b>   | <b>..</b>                                 | <b>164</b>            | <b>..</b>  | <b>3</b>              | <b>2,649</b> |







## FORM No. 18.

(Paragraphs 28—33.)

## Progress in concentrated regeneration and afforestation during 1946-47.

| Division.               | Area under concentrated natural regeneration during the year. | Area regenerated mainly by coppice during the year. | Area artificially regenerated during the year. |               | Total cost of regeneration operations during the year.      |
|-------------------------|---|---|--|---------------|---|
|                         |   |   | In existing tree forest.                       | Afforestation |   |
| 1                       | 2   | 3   | 4  | 5             | 6   |
|                         | Acres.  | Acres.  | Acres.   | Acres.        |   |
| <b>NORTHERN CIRCLE.</b> |   |   |  |               |   |
| Darjeeling .. ..        | ..  | ..  | 604  | ..            | Rs. 18,686 including Rs. 5,002 spent under P. W. R. Scheme. |
| Kalimpong .. ..         | ..  | 133   | 333  | ..            | 14,921 including Rs. 1,187 spent under P. W. R. Scheme.     |
| Kurseong .. ..          | 36  | ..  | 407  | ..            | 28,967 including Rs. 9,855 spent under P. W. R. Scheme.     |
| Jalpaiguri .. ..        | ..  | ..  | 286  | *             | 38,225 including Rs. 20,000 spent under P. W. R. Scheme.    |
| Buxa .. ..              | 129   | 68  | 695  | ..            | 46,004 including Rs. 14,724 spent under P. W. R. Scheme.    |
| <b>Total</b> .....      | 165   | 201   | 2,325  | ..            | 1,46,803  |

Column 2 includes all parts of Periodic Block I in process of natural regeneration.

Column 3 shows coppice coupes felled during the year.

Column 4 includes only those plantations first formed during the year.

Column 5 includes lands artificially converted to forest during the year.

Column 6 includes all cost of obtaining and of tending natural or artificial young crops, i.e., the total of budget sub-head AIVb.

## FORM No. 19.

(Paragraph 34.)

Outturn (in thousands of cubic feet solid) of timber and fuel during the year 1946-47 and agency of exploitation.

| Division.                | Timber in the rough, logs. |                  |                   |                   |        | Timber in the rough, poles. |                  |                   |                   |        |
|--------------------------|----------------------------|------------------|-------------------|-------------------|--------|-----------------------------|------------------|-------------------|-------------------|--------|
|                          | Govern-<br>ment.           | Pur-<br>chasers. | Free<br>grantees. | Right<br>holders. | Total. | Govern-<br>ment.            | Pur-<br>chasers. | Free<br>grantees. | Right<br>holders. | Total. |
| 1                        | 2                          | 3                | 4                 | 5                 | 6      | 7                           | 8                | 9                 | 10                | 11     |
| <b>NORTHERN CIRCLE.</b>  |                            |                  |                   |                   |        |                             |                  |                   |                   |        |
| Reserved Forests.        |                            |                  |                   |                   |        |                             |                  |                   |                   |        |
| Darjeeling ..            | ..                         | 241              | ..                | ..                | 241    | 3                           | 2                | ..                | ..                | 5      |
| Kalimpong ..             | 15                         | 307              | ..                | ..                | 322    | 2                           | 3                | 9                 | ..                | 14     |
| Kurseong ..              | 178                        | 47               | ..                | ..                | 225    | 10                          | 3                | ..                | ..                | 13     |
| Jalpaiguri ..            | 21                         | 729              | ..                | ..                | 750    | 13                          | 34               | ..                | ..                | 47     |
| Byas ..                  | 170                        | 593              | 1                 | ..                | 764    | 25                          | 16               | 3                 | ..                | 44     |
| Total Northern Circle .. | 384                        | 1,917            | 1                 | ..                | 2,302  | 53                          | 58               | 12                | ..                | 123    |
| <b>SOUTHERN CIRCLE.</b>  |                            |                  |                   |                   |        |                             |                  |                   |                   |        |
| Reserved Forests.        |                            |                  |                   |                   |        |                             |                  |                   |                   |        |
| 24-Parganas ..           | ..                         | ..               | ..                | ..                | ..     | ..                          | 1,191            | ..                | ..                | 1,191  |
| Leased lands.            |                            |                  |                   |                   |        |                             |                  |                   |                   |        |
| 24-Parganas ..           | ..                         | ..               | ..                | ..                | ..     | ..                          | 1                | ..                | ..                | 1      |
| Total Southern Circle .. | ..                         | ..               | ..                | ..                | ..     | ..                          | 1,192            | ..                | ..                | 1,192  |
| Grand Total ..           | 384                        | 1,917            | 1                 | ..                | 2,302  | 53                          | 1,250            | 12                | ..                | 1,315  |

| Division.             | Sawn or square timber. |                        |                         |                         |              |                        | Miscellaneous.         |                         |                         |              |  |
|-----------------------|------------------------|------------------------|-------------------------|-------------------------|--------------|------------------------|------------------------|-------------------------|-------------------------|--------------|--|
|                       | Govern-<br>ment.<br>12 | Pur-<br>chasers.<br>13 | Free<br>grantees.<br>14 | Right<br>holders.<br>15 | Total.<br>16 | Govern-<br>ment.<br>17 | Pur-<br>chasers.<br>18 | Free<br>grantees.<br>19 | Right<br>holders.<br>20 | Total.<br>21 |  |
| 1                     |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| NORTHERN CIRCLE.      |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| Reserved forests.     |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| Darjeeling            | 2                      | ..                     | ..                      | ..                      | 2            | ..                     | ..                     | ..                      | ..                      | ..           |  |
| Kalimpong             | 3                      | ..                     | ..                      | ..                      | 3            | ..                     | ..                     | ..                      | ..                      | ..           |  |
| Kurseong              | 52                     | 4                      | ..                      | ..                      | 56           | ..                     | 16                     | ..                      | ..                      | 16           |  |
| Jalpaiguri            | 9                      | ..                     | ..                      | ..                      | 9            | 1                      | ..                     | ..                      | ..                      | 1            |  |
| Buxa                  | ..                     | ..                     | ..                      | ..                      | ..           | 1                      | ..                     | ..                      | ..                      | 1            |  |
| Total Northern Circle | 66                     | 4                      | ..                      | ..                      | 70           | 2                      | 16                     | ..                      | ..                      | 18           |  |
| SOUTHERN CIRCLE.      |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| Reserved forests.     |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| 24-Parganas           | ..                     | ..                     | ..                      | ..                      | ..           | ..                     | ..                     | ..                      | ..                      | ..           |  |
| Leased lands.         |                        |                        |                         |                         |              |                        |                        |                         |                         |              |  |
| 24-Parganas           | ..                     | ..                     | ..                      | ..                      | ..           | ..                     | ..                     | ..                      | ..                      | ..           |  |
| Total Southern Circle | ..                     | ..                     | ..                      | ..                      | ..           | ..                     | ..                     | ..                      | ..                      | ..           |  |
| Grand Total           | 66                     | 4                      | ..                      | ..                      | 70           | 2                      | 16                     | ..                      | ..                      | 18           |  |

| Division.                | Total timber.    |                  |                  |                   |        | Fuel.            |                  |                   |                    |        | Total outturn. |
|--------------------------|------------------|------------------|------------------|-------------------|--------|------------------|------------------|-------------------|--------------------|--------|----------------|
|                          | Govern-<br>ment. | Pur-<br>chasers. | Free<br>grantees | Right<br>holders. | Total. | Govern-<br>ment. | Pur-<br>chasers. | Free<br>grantees. | Right.<br>holders. | Total. |                |
| 1                        | 22               | 23               | 24               | 25                | 26     | 27               | 28               | 29                | 30                 | 31     | 32             |
| <b>NORTHERN CIRCLE.</b>  |                  |                  |                  |                   |        |                  |                  |                   |                    |        |                |
| <b>Reserved forests.</b> |                  |                  |                  |                   |        |                  |                  |                   |                    |        |                |
| Darjeeling               | 5                | 243              | ..               | ..                | 248    | 53               | 2,183            | 44                | ..                 | 2,280  | 2,528          |
| Kalimpong                | 20               | 310              | 9                | ..                | 339    | ..               | 1,328            | 74                | ..                 | 1,402  | 1,741          |
| Kurseong                 | 240              | 70               | ..               | ..                | 310    | 383              | 716              | 44                | ..                 | 1,143  | 1,453          |
| Jalpaiguri               | 44               | 763              | ..               | ..                | 807    | 28               | 4,046            | 57                | ..                 | 4,131  | 4,938          |
| Buxa                     | 196              | 609              | 4                | ..                | 809    | 75               | 2,306            | 58                | ..                 | 2,439  | 3,248          |
| Total Northern Circle    | 505              | 1,995            | 13               | ..                | 2,513  | 539              | 10,579           | 277               | ..                 | 11,395 | 13,908         |

**SOUTHERN CIRCLE.****Reserved forests.**

|                          |       |    |    |       |     |        |     |        |        |
|--------------------------|-------|----|----|-------|-----|--------|-----|--------|--------|
| 24-Parganas .. ..        | 1,191 | .. | .. | 1,191 | ..  | 1,023  | ..  | 1,023  | 2,214  |
| <b>Leased lands.</b>     |       |    |    |       |     |        |     |        |        |
| 24-Parganas .. ..        | 1     | .. | .. | 1     | ..  | 27     | ..  | 27     | 28     |
| Total Southern Circle .. | 1,192 | .. | .. | 1,192 | ..  | 1,050  | ..  | 1,050  | 2,242  |
| Grand Total ..           | 505   | 13 | .. | 3,705 | 539 | 11,629 | 277 | 12,445 | 16,150 |

# FORM No. 20.

(Paragraph 34.)

## Outturn of minor forest produce during the year 1946-47.

| Description of produce.  | Produce removed or utilized. |         |                |           |                 |        |                   |        |           |           | Total.   |     |
|--------------------------|------------------------------|---------|----------------|-----------|-----------------|--------|-------------------|--------|-----------|-----------|----------|-----|
|                          | By Government agency.        |         | By purchasers. |           | By free grants. |        | By right-holders. |        | Quantity. | Value.    |          |     |
|                          | Quantity.                    | Value.  | Quantity.      | Value.    | Quantity.       | Value. | Quantity.         | Value. |           |           |          |     |
|                          | 1                            | 2       | 3              | 4         | 5               | 6      | 7                 | 8      | 9         | 10        | 11       | Rs. |
| <b>RESERVED FORESTS.</b> |                              |         |                |           |                 |        |                   |        |           |           |          |     |
| <b>Northern Circle.</b>  |                              |         |                |           |                 |        |                   |        |           |           |          |     |
| Bamboos                  | ..                           | 8,660   | 430            | 1,542,922 | 9,963           | 13,975 | 91                | ..     | ..        | 1,565,557 | 10,494   | ..  |
| Grazing                  | ..                           | ..      | ..             | ..        | 10,853          | ..     | 172               | ..     | ..        | ..        | 11,026   | ..  |
| Fodder                   | ..                           | ..      | ..             | ..        | 8,997           | ..     | 1,847             | ..     | ..        | ..        | 10,844   | ..  |
| Cane                     | ..                           | ..      | 358            | ..        | 15,145          | ..     | 23                | ..     | ..        | ..        | 15,526   | ..  |
| Stone                    | ..                           | 123,717 | 355            | 1,398,256 | 12,951          | 33,015 | 273               | ..     | ..        | 1,554,988 | 18,579   | ..  |
| Thatch grass             | ..                           | ..      | 138            | ..        | 4,448           | ..     | 120               | ..     | ..        | ..        | 4,756    | ..  |
| Long pepper              | ..                           | ..      | ..             | ..        | 937             | ..     | ..                | ..     | ..        | ..        | 937      | ..  |
| Royalty on <i>Khadda</i> | ..                           | ..      | ..             | ..        | 14,400          | ..     | ..                | ..     | ..        | ..        | 14,400   | ..  |
| Honey combs              | ..                           | ..      | ..             | 36        | 36              | ..     | ..                | ..     | ..        | 36        | 36       | ..  |
| Elephants                | ..                           | ..      | ..             | 4         | 4,900           | ..     | ..                | ..     | ..        | 4         | 4,900    | ..  |
| Miscellaneous            | ..                           | ..      | 5,530          | ..        | 9,709           | ..     | 1,408             | ..     | ..        | ..        | 16,647   | ..  |
| Total Northern Circle    | ..                           | ..      | 6,861          | ..        | 92,344          | ..     | 3,934             | ..     | ..        | ..        | 1,03,139 | ..  |



## FORM No. 21.

(Paragraphs 35, 36, 37 and 46.)

Account of timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during the year 1946-47.

| Name of Division.       | Balance at commencement of the year in forests and sale depots. | Received during the year. | Total.  | Disposed of during the year. | Balance in hand at close of the year in forests and sale depots. |
|-------------------------|---|---------------------------|---------|------------------------------|--|
| 1                       | 2   | 3                         | 4       | 5                            | 6  |
| <b>NORTHERN CIRCLE.</b> | C.ft.   | C.ft.                     | C.ft.   | C.ft.                        | C.ft.  |
| <b>Timber.</b>          |   |                           |         |                              |  |
| Darjeeling ..           | 704   | 5,121                     | 5,825   | 5,163                        | 662  |
| Kalimpong ..            | 7,924   | 19,951                    | 27,875  | 19,842                       | 8,033  |
| Kurseong ..             | 267,912   | 240,717                   | 508,629 | 300,761                      | 207,868  |
| Jalpaiguri ..           | 73,804  | 43,826                    | 117,630 | 83,465                       | 34,165   |
| Buxa ..                 | 40,860  | 195,543                   | 236,403 | 191,837                      | 44,566   |
| Total ..                | 391,204   | 505,158                   | 896,362 | 601,068                      | 295,294  |
| <b>Fuel.</b>            |   |                           |         |                              |  |
| Darjeeling ..           | 6,659   | 53,210                    | 59,869  | 51,072                       | 8,797  |
| Kalimpong ..            | (a)4,040  | ..                        | 4,040   | 2,320                        | 1,720  |
| Kurseong ..             | 123,517   | 382,682                   | 506,199 | 390,103                      | 116,096  |
| Jalpaiguri ..           | 12,075  | 28,216                    | 41,191  | 34,803                       | 6,388  |
| Buxa ..                 | 14,560  | 75,320                    | 89,880  | 79,198                       | 10,682   |
| Total ..                | 161,751   | 539,428                   | 701,179 | 557,496                      | 143,683  |
| <b>Bamboos.</b>         | Nos.  | Nos.                      | Nos.    | Nos.                         | Nos.   |
| Darjeeling ..           | ..  | 300                       | 300     | 300                          | ..   |
| Kalimpong ..            | (b)75   | ..                        | 75      | 75                           | ..   |
| Kurseong ..             | (b)30   | 350                       | 380     | 380                          | ..   |
| Jalpaiguri ..           | 5   | 3,250                     | 3,255   | 3,255                        | ..   |
| Buxa ..                 | 2   | 4,760                     | 4,762   | 4,762                        | ..   |
| Total ..                | 112   | 8,660                     | 8,772   | 8,772                        | ..   |
| <b>Minor produce.</b>   | Rs.   | Rs.                       | Rs.     | Rs.                          | Rs.  |
| Darjeeling ..           | ..  | 1,946                     | 1,946   | 1,946                        | ..   |
| Kalimpong ..            | ..  | 535                       | 535     | 29                           | 506  |
| Kurseong ..             | 130   | 546                       | 679     | 546                          | 130  |
| Jalpaiguri ..           | 145   | 92                        | 237     | 207                          | 30   |
| Buxa ..                 | 1,150   | 3,312                     | 4,462   | 2,564                        | 1,898  |
| Total ..                | 1,425   | 6,431                     | 7,856   | 5,292                        | 2,564  |

(a) Corrected figure.

(b) Not shown in column 6 of the Annual Form No. 21 for the year 1945-46 through oversight.



FORM No. 22.

(Paragraphs 35, 36, 37 and 46.)

Abstract showing the value of timber and other produce at sale depots for the year 1946-47.

| Description of timber and other produce. | On hand at commencement of the year. |         |          | On hand at close of the year. |         |          | Difference in value.   |                   | Remarks. |
|--|--------------------------------------|---------|----------|-------------------------------|---------|----------|------------------------|-------------------|----------|
|  | Number.                              | C.ft.   | Value.   | Number.                       | C. ft.  | Value.   | In favour of the year. | Against the year. |          |
| 1  | 2                                    | 3       | 4        | 5                             | 6       | 7        | 8                      | 9                 | 10       |
|  |                                      |         | Rs.      |                               |         | Rs.      | Rs.                    | Rs.               |          |
| <b>NORTHERN CIRCLE.</b>                  |                                      |         |          |                               |         |          |                        |                   |          |
| <b>Timber.</b>                           |                                      |         |          |                               |         |          |                        |                   |          |
| Timber in round ..                       | 31,937                               | 291,632 | 3,13,793 | 30,813                        | 206,321 | 2,30,908 | ..                     | 82,885            |          |
| Sleepers ....                            | 9,207                                | 11,094  | 15,529   | 4,723                         | 5,185   | 6,340    | ..                     | 9,189             |          |
| Sawn timber other than sleepers          | 126,645                              | 88,478  | 1,73,774 | 92,738                        | 83,788  | 1,67,411 | ..                     | 6,363             |          |
| Total ..                                 | 167,789                              | 391,204 | 5,03,096 | 128,294                       | 295,294 | 4,04,659 | ..                     | 98,437            |          |
| <b>Fuel.—Firewood and charcoal</b>       |                                      |         |          |                               |         |          |                        |                   |          |
| ..                                       | ..                                   | 161,751 | 20,988   | ..                            | 143,683 | 16,844   | ..                     | 4,144             |          |
| Bamboos ..                               | 112                                  | ..      | 369      | ..                            | ..      | ..       | ..                     | 369               |          |
| Minor produce ..                         | ..                                   | ..      | 1,425    | ..                            | ..      | 2,564    | 1,139                  | ..                |          |
| Grand Total ..                           | ..                                   | ..      | 5,25,878 | ..                            | ..      | 4,24,067 | ..                     | 1,01,811          |          |

## FORM No. 23.

(Paragraph 47.)

## Abstract showing the value of live and dead stock for the year 1946-47.

| Description of live and dead stock. | On hand at commencement of the year. |              | On hand at close of the year. |           | Difference in value.   |                   | Remarks. |
|-------------------------------------|--------------------------------------|--------------|-------------------------------|-----------|------------------------|-------------------|----------|
|                                     | Number.                              | Value.       | Number.                       | Value.    | In favour of the year. | Against the year. |          |
| 1                                   | 2                                    | 3            | 4                             | 5         | 6                      | 7                 | 8        |
|                                     |                                      | Rs.          |                               | Rs.       | Rs.                    | Rs.               |          |
| <b>NORTHERN CIRCLE.</b>             |                                      |              |                               |           |                        |                   |          |
| <b>Live Stock.</b>                  | 11                                   | (a) 71,000   | 11                            | 71,000    | ..                     | ..                |          |
| Elephants .. ..                     |                                      |              |                               |           |                        |                   |          |
| <b>Dead Stock.</b>                  |                                      |              |                               |           |                        |                   |          |
| Buildings .. ..                     | (a) 1,418                            | (a) 5,31,325 | 1,467                         | 6,86,918  | 1,55,593               | ..                |          |
| Stores (Mathematical) ..            | (a) 1,861                            | (a) 11,015   | 2,301                         | 16,091    | 5,076                  | ..                |          |
| Furniture .. ..                     | (a) 9,504                            | (a) 45,735   | 10,307                        | 51,317    | 5,582                  | ..                |          |
| Tents .. ..                         | (a) 12                               | (a) 1,310    | 15                            | 2,572     | 1,262                  | ..                |          |
| Miscellaneous .. ..                 | (a) 16,469                           | (a) 1,26,710 | 17,293                        | 2,35,966  | 1,09,256               | ..                |          |
| <b>Total Dead Stock</b> ..          | 29,804                               | 7,16,095     | 31,383                        | 9,92,864  | 2,76,769               | ..                |          |
| <b>Total Northern Circle</b>        | ..                                   | 7,87,095     | ..                            | 10,63,864 | 2,76,769               | ..                |          |

**SOUTHERN CIRCLE.****Dead Stock.**

|                       |     |          |     |          |     |           |
|-----------------------|-----|----------|-----|----------|-----|-----------|
| Buildings             | 65  | 16,180   | 65  | 16,410   | ..  | 770       |
| Stores (Mathematical) | 37  | 315      | 35  | 300      | ..  | 15        |
| Stores (ordnance)     | 24  | 11,200   | 24  | 11,200   | ..  | ..        |
| Furniture             | 188 | 2,810    | 199 | 3,155    | 345 | ..        |
| Boats and dinghies    | 61  | 51,737   | 48  | 50,177   | ..  | 1,580     |
| Motor launches        | 1   | 25,000   | 1   | 25,000   | ..  | ..        |
| Miscellaneous         | 467 | 4,957    | 465 | 4,949    | ..  | 8         |
| Total Southern Circle | 843 | 1,11,199 | 837 | 1,10,191 | ..  | (b) 2,008 |

**DEVELOPMENT CIRCLE.****Live Stock.**

|          |    |    |   |     |     |    |
|----------|----|----|---|-----|-----|----|
| Bullocks | .. | .. | 2 | 264 | 264 | .. |
|----------|----|----|---|-----|-----|----|

**Dead Stock.**

|                          |           |              |       |           |              |    |
|--------------------------|-----------|--------------|-------|-----------|--------------|----|
| Buildings                | ..        | ..           | 16    | 1,14,309  | 1,14,309     | .. |
| Stores (Mathematical)    | 355       | 4,498        | 486   | 5,665     | 1,167        | .. |
| Furniture                | (a) 593   | (a) 10,144   | 771   | 20,781    | 10,637       | .. |
| Tent with accessories    | 22        | 1,716        | 51    | 6,860     | 5,144        | .. |
| Motor truck              | ..        | ..           | 2     | 14,000    | 14,000       | .. |
| Miscellaneous            | (a) 621   | (a) 4,058    | 1,015 | 6,401     | 2,343        | .. |
| Total Dead Stock         | (a) 1,591 | (a) 20,416   | 2,341 | 1,68,016  | 1,47,600     | .. |
| Total Development Circle | ..        | (a) 20,416   | ..    | 1,68,280  | 1,47,864     | .. |
| Grand Total, Bengal      | ..        | (a) 9,19,710 | ..    | 13,42,335 | (c) 4,22,625 | .. |

(a) Corrected figure.

(b) Net difference against the year in the Southern Circle.

(c) Net difference in favour of the year in Bengal.

**FORM No. 24.**

(Paragraph 43.)

**Annual Statement of Revenue of the Forest Department, Bengal, for the year 1946-47.**

| Budget Heads.  | Darjeeling. | Kalimpong. | Kurseong. | Direction (N). | Buxa.    | Jalpaiguri. | Itanagar Forest School. | Total Northern Circ. | General Direction. | Chittagong Hill Tracts. | Chittagong. | Dacca-Mymensingh. |
|--|-------------|------------|-----------|----------------|----------|-------------|-------------------------|----------------------|--------------------|-------------------------|-------------|-------------------|
|  | Rs.         | Rs.        | Rs.       | Rs.            | Rs.      | Rs.         | Rs.                     | Rs.                  | Rs.                | Rs.                     | Rs.         | Rs.               |
| <b>X—FOREST.</b>   |             |            |           |                |          |             |                         |                      |                    |                         |             |                   |
| <b>Revenue.</b>  |             |            |           |                |          |             |                         |                      |                    |                         |             |                   |
| <b>I.—Timber and other produce removed from the forests by Government Agency—</b>        |             |            |           |                |          |             |                         |                      |                    |                         |             |                   |
| (a) Timber ..  | 1,952       | 8,577      | 7,49,950  | ..             | 1,08,554 | 96,941      | ..                      | 9,65,974             | ..                 | 1,06,134                | 2,161       | 343               |
| (b) Firewood and charcoal  | 8,477       | 105        | 1,03,358  | ..             | 4,069    | 3,884       | ..                      | 1,20,493             | ..                 | 2,384                   | ..          | 169               |
| (c) Bamboos ..   | 825         | ..         | 119       | ..             | 82       | ..          | ..                      | 1,028                | ..                 | 17,071                  | ..          | ..                |
| (d) Grass and other minor produce.   | 1,123       | 25         | 469       | ..             | 164      | ..          | ..                      | 1,721                | ..                 | 89                      | ..          | ..                |
| (e) Sandal wood  | ..          | ..         | ..        | ..             | ..       | ..          | ..                      | ..                   | ..                 | 91                      | ..          | ..                |
| <b>Total I</b>   | 12,377      | 8,707      | 8,53,896  | ..             | 1,13,499 | 1,00,825    | ..                      | 10,89,214            | ..                 | 1,25,769                | 2,161       | 512               |
| <b>II.—Timber and other produce removed from the forests by consumers or purchasers—</b> |             |            |           |                |          |             |                         |                      |                    |                         |             |                   |
| (a) Timber ..  | 83,773      | 1,23,635   | 79,639    | ..             | 5,62,307 | 8,69,204    | ..                      | 17,23,618            | ..                 | 1,67,292                | 2,90,233    | 8,95,341          |
| (b) Firewood and charcoal  | 58,673      | 32,844     | 23,065    | ..             | 59,298   | 1,22,137    | ..                      | 3,02,927             | ..                 | 2,748                   | 40,660      | 78,027            |
| (c) Bamboos ..   | 2,395       | 2,703      | 2,353     | ..             | 2,051    | 541         | ..                      | 10,043               | ..                 | 91,908                  | 1,17,045    | 2                 |
| (d) Grazing and fodder grass   | 9,658       | 6,119      | 1,814     | ..             | 621      | 1,647       | ..                      | 13,859               | ..                 | ..                      | 8,040       | ..                |
| (e) Other minor produce ..   | 8,414       | 12,185     | 6,827     | ..             | 21,391   | 11,271      | ..                      | 60,088               | ..                 | 27,426                  | 21,895      | 6,389             |
| (f) Commutation fees   | ..          | ..         | ..        | ..             | ..       | ..          | ..                      | ..                   | ..                 | ..                      | 40,382      | ..                |
| (g) Other items  | ..          | ..         | ..        | ..             | ..       | ..          | ..                      | ..                   | ..                 | 4                       | ..          | ..                |
| <b>Total II</b>  | 1,67,913    | 1,77,486   | 1,13,698  | ..             | 6,45,578 | 10,11,860   | ..                      | 21,16,535            | ..                 | 2,89,368                | 4,48,205    | 9,79,769          |

|  |          |          |          |          |           |          |           |          |          |          |           |
|--|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|----------|-----------|
| III.—Drift and wall wood and confiscated forest produce. | 725      | 225      | ..       | 2,328    | 2,270     | ..       | 5,548     | ..       | 822      | 3,378    | 106       |
| IV.—Revenue from forests not managed by Government—      |          |          |          |          |           |          |           |          |          |          |           |
| (a) Duty on foreign timber and other forest produce.     | ..       | ..       | ..       | ..       | ..        | ..       | ..        | ..       | ..       | ..       | ..        |
| (b) Revenue from shared and private forests.             | ..       | ..       | ..       | ..       | ..        | ..       | ..        | ..       | ..       | ..       | ..        |
| Total IV ..  | ..       | ..       | ..       | ..       | ..        | ..       | ..        | ..       | ..       | ..       | ..        |
| V.—Miscellaneous—  |          |          |          |          |           |          |           |          |          |          |           |
| (a) Fines and forfeitures                                | 330      | ..       | ..       | 1,694    | 761       | ..       | 2,785     | ..       | 119      | ..       | 347       |
| (b) Other sources ..                                     | 24,107   | 10,457   | 4,017    | 15,217   | 28,809    | 1,792    | 84,561    | 1,218    | 10,580   | 34,923   | 11,862    |
| (c) Receipts (including rent realised from works.        | 851      | 1,074    | 778      | 910      | 1,405     | 170      | 5,188     | ..       | 1,142    | 1,909    | ..        |
| (d) Sale of forest produce purchased from trade.         | 20,722   | ..       | ..       | 2,399    | 11,613    | ..       | 34,734    | 6        | 181      | 1,47,060 | ..        |
| Total V ..   | 46,010   | 11,531   | 4,795    | 20,220   | 42,588    | 1,962    | 1,27,268  | 1,224    | 12,022   | 1,84,892 | 12,209    |
| VI.—Receipts in England—                                 |          |          |          |          |           |          |           |          |          |          |           |
| High Commissioner ..                                     | ..       | ..       | ..       | ..       | ..        | ..       | ..        | ..       | ..       | ..       | ..        |
| VII.—Loss or gain by exchange                            | ..       | ..       | ..       | ..       | ..        | ..       | ..        | ..       | ..       | ..       | ..        |
| VIII.—Debt—  | -18,042  | -529     | -1,448   | -972     | -1,544    | ..       | -22,535   | -50      | -52,076  | -1,448   | -4,00,522 |
| Total X—Forest ..  | 2,08,983 | 1,97,420 | 9,70,941 | 7,40,563 | 11,55,999 | 1,962    | 33,16,030 | 1,174    | 3,75,905 | 6,36,888 | 5,92,068  |
| Total Expenditure ..                                     | 2,61,115 | 2,91,283 | 6,72,197 | 6,48,874 | 3,93,066  | 1,21,470 | 25,39,519 | 3,25,812 | 3,18,644 | 4,79,161 | 2,45,751  |
| Surplus ..   | ..       | ..       | 2,98,744 | 1,31,689 | 7,62,913  | ..       | 7,76,511  | ..       | 57,261   | 1,57,527 | 3,46,312  |
| Deficit ..   | 52,132   | 93,863   | ..       | ..       | ..        | 1,19,508 | ..        | 3,24,638 | ..       | ..       | ..        |



|  |           |        |           |        |        |        |        |          |    |          |    |           |
|--|-----------|--------|-----------|--------|--------|--------|--------|----------|----|----------|----|-----------|
| III.—Drift and walf wood and confiscated forest produce. | 3,294     | ..     | 7,599     | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | 13,147    |
| IV.—Revenue from forests not managed by Government—      |           |        |           |        |        |        |        |          |    |          |    |           |
| (a) Duty on foreign timber and other forest produce.     | ..        | ..     | ..        | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | ..        |
| (b) Revenue from shared and private forests.             | ..        | ..     | ..        | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | ..        |
| Total IV   | ..        | ..     | ..        | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | ..        |
| V.—Miscellaneous—  |           |        |           |        |        |        |        |          |    |          |    |           |
| (a) Fines and forfeitures                                | 25        | ..     | 491       | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | 8,276     |
| (b) Other sources  | 1,21,436  | 4      | 1,78,705  | 373    | 19     | 59     | ..     | 5,912    | .. | 6,363    | .. | 2,70,847  |
| (c) Receipts (including rent) realised from works.       | 1,742     | ..     | 4,793     | ..     | ..     | ..     | 135    | 312      | .. | 447      | .. | 10,428    |
| (d) Sale of forest produce purchased from trade.         | ..        | ..     | 1,47,841  | ..     | ..     | 20,953 | ..     | ..       | .. | 20,953   | .. | 2,03,594  |
| Total V  | 1,23,203  | 4      | 3,31,890  | 373    | 19     | 21,012 | 135    | 6,224    | .. | 27,763   | .. | 4,88,085  |
| VI.—Receipts in England—                                 |           |        |           |        |        |        |        |          |    |          |    |           |
| High Commissioner  | ..        | ..     | ..        | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | ..        |
| VII.—Loss or gain by exchange                            | ..        | ..     | ..        | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | ..        |
| VIII.— <del>Deduct</del> —Refund                         | 123       | ..     | 4,54,169  | ..     | ..     | 5      | ..     | ..       | .. | 5        | .. | 4,76,759  |
| Total X—Forest   | 12,85,024 | 4      | 28,89,684 | 373    | 19     | 21,007 | 135    | 6,224    | .. | 27,768   | .. | 62,34,646 |
| Total Expenditure  | 7,23,693  | 39,181 | 18,05,430 | 37,372 | 65,063 | 85,552 | 36,247 | 2,07,167 | .. | 4,31,401 | .. | 51,02,162 |
| Surplus  | 5,62,331  | ..     | 10,84,254 | ..     | ..     | ..     | ..     | ..       | .. | ..       | .. | 11,32,484 |
| Deficit  | ..        | 39,177 | ..        | 36,989 | 65,044 | 64,545 | 36,112 | 2,00,943 | .. | 4,08,643 | .. | ..        |

| Budget Heads.  | Darjeeling. | Kalimpong. | Kurseong. | Direction (N). | Buxa.  | Jalpaiguri. | Bengal Forest School. | Total Northern Circle. | General Direction. | Chittagong Hill Tracts. | Chittagong. | Dacca-Mymen-Singh. |
|--|-------------|------------|-----------|----------------|--------|-------------|-----------------------|------------------------|--------------------|-------------------------|-------------|--------------------|
|  | Rs.         | Rs.        | Rs.       | Rs.            | Rs.    | Rs.         | Rs.                   | Rs.                    | Rs.                | Rs.                     | Rs.         | Rs.                |
| <b>10.—FOREST—contd.</b>   |             |            |           |                |        |             |                       |                        |                    |                         |             |                    |
| <b>Expenditure.</b>  |             |            |           |                |        |             |                       |                        |                    |                         |             |                    |
| <b>A.—Conservancy and Works.</b>   |             |            |           |                |        |             |                       |                        |                    |                         |             |                    |
| <b>I.—Timber and other produce removed from the forest by Government Agency—</b>                 |             |            |           |                |        |             |                       |                        |                    |                         |             |                    |
| (a) Timber { C { V   | 213         | 13,084     | 3,05,872  | ..             | 76,957 | 13,076      | ..                    | 4,14,152               | ..                 | 61,312                  | 112         | 21                 |
| (b) Firewood and charcoal. { C { V   | 9,926       | 10         | 85,290    | ..             | 5,038  | ..          | ..                    | 1,00,264               | ..                 | 2,311                   | ..          | 127                |
| (c) Bamboos { C { V  | ..          | ..         | ..        | ..             | ..     | ..          | ..                    | ..                     | ..                 | 15,293                  | ..          | ..                 |
| (d) Grass and other minor produce. { C { V   | 449         | 20         | 634       | ..             | 37     | ..          | ..                    | 1,140                  | ..                 | 216                     | 1,667       | ..                 |
| (e) Sandalwood { C { V   | ..          | ..         | ..        | ..             | ..     | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| (f) Customs duty on imported stores. { C { V   | ..          | ..         | ..        | ..             | ..     | ..          | ..                    | 2                      | ..                 | ..                      | ..          | ..                 |
| <b>Total I</b> { C { V   | 10,588      | 13,064     | 3,91,796  | ..             | 82,034 | 13,076      | ..                    | 5,15,558               | ..                 | 79,132                  | 1,779       | 148                |
| <b>II.—Timber and other produce removed from the forests by consumers or purchasers. { C { V</b> | 2,485       | 7,076      | 850       | ..             | 11,000 | 15,000      | ..                    | 36,411                 | ..                 | 13,863                  | 10,994      | 7,351              |
| (a) Customs duty on imported stores. { C { V   | ..          | ..         | ..        | ..             | ..     | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| <b>Total II</b> { C { V  | 2,485       | 7,076      | 850       | ..             | 11,000 | 15,000      | ..                    | 36,411                 | ..                 | 13,863                  | 10,994      | 7,351              |





| Budget Heads.  | Darjeeling. | Kalimpong. | Kurseong. | Direction (N). | Buxa.    | Jalpaiguri. | Bengal Forest School. | Total No. of Circles. | General Direction. | Chittagong Hill Tracts. | Chittagong | Dacca-Mymensingh. |
|--|-------------|------------|-----------|----------------|----------|-------------|-----------------------|-----------------------|--------------------|-------------------------|------------|-------------------|
|  | Rs.         | Rs.        | Rs.       | Rs.            | Rs.      | Rs.         | Rs.                   | Rs.                   | Rs.                | Rs.                     | Rs.        | Rs.               |
| <b>10.—FOREST—contd.</b>   |             |            |           |                |          |             |                       |                       |                    |                         |            |                   |
| <b>Expenditure—contd.</b>  |             |            |           |                |          |             |                       |                       |                    |                         |            |                   |
| <b>A.—Conservancy and Works—contd.</b>                                   |             |            |           |                |          |             |                       |                       |                    |                         |            |                   |
| <b>III.—Constructions, purchase, Maintenance, Repairs, etc.—</b>         |             |            |           |                |          |             |                       |                       |                    |                         |            |                   |
| (a) Cattle $\begin{cases} C \\ V \end{cases}$                            | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
| (b) Feed and keep of cattle. $\begin{cases} C \\ V \end{cases}$          | ..          | 250        | 660       | ..             | 1,600    | 2,000       | ..                    | 4,510                 | ..                 | 1,790                   | ..         | ..                |
| (c) Stores, tools and plant. $\begin{cases} C \\ V \end{cases}$          | 13,022      | 2,125      | 2,799     | 227            | 4,372    | 2,650       | -531                  | 24,664                | ..                 | 7,914                   | 20         | 1,356             |
| (d) Roads and bridges $\begin{cases} C \\ V \end{cases}$                 | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | 12,300                  | ..         | ..                |
| (e) Buildings $\begin{cases} C \\ V \end{cases}$                         | 29,256      | 5,819      | 23,999    | ..             | 40,250   | 9,708       | ..                    | 1,09,062              | ..                 | ..                      | 4,326      | ..                |
| (f) Other works $\begin{cases} C \\ V \end{cases}$                       | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | 18,169                  | 70         | ..                |
| (g) Customs duty on imported stores. $\begin{cases} C \\ V \end{cases}$  | 14,905      | 17,706     | 28,208    | ..             | 46,210   | 17,618      | -6,578                | 1,18,063              | ..                 | ..                      | 44,978     | 3,279             |
| (h) Compensation for land and rights. $\begin{cases} C \\ V \end{cases}$ | ..          | 1,300      | 3,193     | ..             | 11,596   | 2,909       | -1,564                | 20,518                | ..                 | ..                      | 35         | ..                |
|  | 3,179       | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | 6,140      | 2,171             |
|  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
|  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
|  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
|  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
|  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                    | ..                 | ..                      | ..         | ..                |
| <b>Total III <math>\begin{cases} C \\ V \end{cases}</math></b>           | 60,392      | 27,194     | 53,864    | 227            | 1,04,025 | 34,785      | -8,673                | 2,76,817              | ..                 | 37,323                  | 125        | 6,786             |

[illegible]

| Budget Heads.                         | Darjeeling. | Kalimpong. | Kur-cong. | Dir. con (N). | Buxa.  | Jalpaiguri. | Bengal Forest School. | Total Northern Circle. | General Direction. | Chittagong Hill Tracts. | Chittagong. | Dacca-Mymensingh. |
|---------------------------------------|-------------|------------|-----------|---------------|--------|-------------|-----------------------|------------------------|--------------------|-------------------------|-------------|-------------------|
|                                       | Rs.         | Rs.        | Rs.       | Rs.           | Rs.    | Rs.         | Rs.                   | Rs.                    | Rs.                | Rs.                     | Rs.         | Rs.               |
| 10—FOREST—contd.                      |             |            |           |               |        |             |                       |                        |                    |                         |             |                   |
| Expenditure—contd.                    |             |            |           |               |        |             |                       |                        |                    |                         |             |                   |
| A.—Conservancy and Works—contd.       |             |            |           |               |        |             |                       |                        |                    |                         |             |                   |
| IV.—Conservancy and Regeneration—     |             |            |           |               |        |             |                       |                        |                    |                         |             |                   |
| (a) Maintenance of boundaries.        | 882         | 1,306      | 1,700     | ..            | 2,390  | 1,850       | ..                    | 8,128                  | ..                 | 1,850                   | 80          | ..                |
| (b) Regeneration                      | 13,635      | 13,734     | 19,110    | ..            | 31,250 | 20,401      | ..                    | 98,210                 | ..                 | 19,783                  | ..          | 2,060             |
| (c) Fire protection                   | 2,549       | 1,503      | 2,287     | ..            | 2,610  | 1,655       | ..                    | 10,049                 | ..                 | 912                     | ..          | ..                |
| (d) Other works                       | 633         | 11,900     | 4,124     | ..            | 20,800 | 3,903       | ..                    | 41,865                 | ..                 | 1,400                   | ..          | 2,431             |
| (e) Survey                            | ..          | ..         | ..        | ..            | ..     | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                |
| (f) Customs duty on imported stores.  | ..          | ..         | ..        | ..            | ..     | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                |
| (g) Compensation for land and rights. | ..          | ..         | ..        | ..            | ..     | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                |
| Total IV                              | 17,749      | 28,443     | 27,231    | ..            | 56,430 | 27,944      | ..                    | 1,57,752               | ..                 | 23,945                  | 80          | 26,279            |

| Budget Heads.                                  | Sundar-<br>bans. | Direction<br>(S). | Total<br>Southern<br>Circle. | Subcultural. | Working<br>Plans. | Utilisation. | Nadia.    | West<br>Bengal. | Direction<br>(Develop-<br>ment). | Total<br>Development<br>Circle. | Grand<br>Total.    |
|--|------------------|-------------------|------------------------------|--------------|-------------------|--------------|-----------|-----------------|----------------------------------|---------------------------------|--------------------|
|  | Rs.              | Rs.               | Rs.                          | Rs.          | Rs.               | Rs.          | Rs.       | Rs.             | Rs.                              | Rs.                             | Rs.                |
| <b>10—FOREST—contd.</b>                        |                  |                   |                              |              |                   |              |           |                 |                                  |                                 |                    |
| <b>Expenditure—contd.</b>                      |                  |                   |                              |              |                   |              |           |                 |                                  |                                 |                    |
| <b>A.—Conservancy and Works.—</b>              |                  |                   |                              |              |                   |              |           |                 |                                  |                                 |                    |
| <b>contd.</b>                                  |                  |                   |                              |              |                   |              |           |                 |                                  |                                 |                    |
| <b>IV.—Conservancy and Regene-<br/>ration—</b> |                  |                   |                              |              |                   |              |           |                 |                                  |                                 |                    |
| (a) Maintenance of<br>boundaries.              | .. 65            | ..                | 1,930<br>3,634               | ..<br>..     | ..<br>..          | ..<br>..     | ..<br>..  | ..<br>1,080     | ..<br>..                         | ..<br>1,080                     | 1,930<br>12,842    |
| (b) Regeneration                               | ..               | ..                | 19,783<br>28,003             | ..<br>2,965  | ..<br>..          | ..<br>..     | ..<br>460 | ..<br>1,886     | ..<br>..                         | ..<br>5,121                     | 19,783<br>1,31,334 |
| (c) Fire protection                            | ..               | ..                | 912<br>2,481                 | ..<br>..     | ..<br>..          | ..<br>..     | ..<br>..  | ..<br>..        | ..<br>..                         | ..<br>..                        | 912<br>12,630      |
| (d) Other works                                | ..               | ..                | 1,400<br>352                 | ..<br>..     | ..<br>..          | ..<br>..     | ..<br>..  | ..<br>10        | ..<br>..                         | ..<br>10                        | 1,400<br>41,727    |
| (e) Survey                                     | ..               | ..                | ..                           | ..           | ..                | ..           | ..        | ..              | ..                               | ..                              | ..                 |
| (f) Customs duty on<br>imported stores.        | ..               | ..                | ..                           | ..           | ..                | ..           | ..        | ..              | ..                               | ..                              | ..                 |
| (g) Compensation for<br>land and rights.       | ..               | ..                | ..                           | ..           | ..                | ..           | ..        | ..              | ..                               | ..                              | ..                 |
| <b>Total IV</b>                                | .. 65            | ..                | 24,025<br>34,470             | ..<br>2,965  | ..<br>..          | ..<br>..     | ..<br>460 | ..<br>2,786     | ..<br>..                         | ..<br>6,211                     | 24,025<br>1,98,433 |

| Budget Heads.  | Darjeeling. | Kalimpong. | Kurseong. | Direction (N). | Buxa.    | Jalpaiguri. | Bengal Forest School. | Total Northern Circle. | General Direction. | Chittagong Hill Tracts. | Chittagong. | Dacca-Mymen-Singh. |
|--|-------------|------------|-----------|----------------|----------|-------------|-----------------------|------------------------|--------------------|-------------------------|-------------|--------------------|
|  | Rs.         | Rs.        | Rs.       | Rs.            | Rs.      | Rs.         | Rs.                   | Rs.                    | Rs.                | Rs.                     | Rs.         | Rs.                |
| <b>10—FOREST—contd.</b>  |             |            |           |                |          |             |                       |                        |                    |                         |             |                    |
| <b>Expenditure—contd.</b>  |             |            |           |                |          |             |                       |                        |                    |                         |             |                    |
| <b>A.—Conservancy and Works—contd.</b>   |             |            |           |                |          |             |                       |                        |                    |                         |             |                    |
| <b>V.—Miscellaneous—</b>   |             |            |           |                |          |             |                       |                        |                    |                         |             |                    |
| (a) Drift and walf wood and confiscated forest produce { C V                             | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | 564                     | ..          | ..                 |
| (b) Revenue from forest not managed by Government leased. { V                            | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| (c) Rent of forests and payments to shareholders in forests managed by Government. { V C | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| (d) Law charges { V C  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | ..          | 70,510             |
| (e) Dearness allowance { V C   | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | 980         | 40                 |
| (f) Clothing { V C   | 583         | 1,362      | 2,404     | ..             | 3,070    | 2,028       | 244                   | 9,691                  | ..                 | 1,266                   | ..          | ..                 |
| (g) Other charges { V C  | ..          | ..         | ..        | ..             | 1,940    | 674         | 194                   | 3,938                  | ..                 | ..                      | 562         | 1,938              |
| (A) Working plans { C V  | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| (i) Customs duty on imported stores. { V C   | ..          | ..         | ..        | ..             | 200      | 340         | ..                    | 1,043                  | ..                 | ..                      | 85          | 80                 |
| (j) Purchase of forest produce from Trade or from purchasers of standing trees. { V      | ..          | ..         | ..        | ..             | ..       | ..          | ..                    | ..                     | ..                 | ..                      | ..          | ..                 |
| Total V { C V  | 27,850      | 1,259      | 136       | ..             | 2,18,628 | 2,13,047    | ..                    | 4,61,520               | ..                 | ..                      | 1,292       | ..                 |
|  | 29,219      | 3,061      | 3,240     | ..             | 2,23,838 | 2,16,091    | 43                    | 4,76,457               | ..                 | 2,391                   | ..          | 72,759             |

| Budget Heads.  | Sundar-<br>bans. | Direction<br>(S). | Total<br>Southern<br>Circle. | Silvicultural. | Working<br>Plans. | Utilisation. | Nadia. | West<br>Bengal. | Direction<br>(Develop-<br>ment). | Total<br>Development<br>Circle. | Grand<br>Total. |
|--|------------------|-------------------|------------------------------|----------------|-------------------|--------------|--------|-----------------|----------------------------------|---------------------------------|-----------------|
|  | Rs.              | Rs.               | Rs.                          | Rs.            | Rs.               | Rs.          | Rs.    | Rs.             | Rs.                              | Rs.                             | Rs.             |
| <b>10—FOREST—contd.</b>  |                  |                   |                              |                |                   |              |        |                 |                                  |                                 |                 |
| <b>Expenditure—contd.</b>  |                  |                   |                              |                |                   |              |        |                 |                                  |                                 |                 |
| <b>A.—Conservancy and Works.—<br/>contd.</b>   |                  |                   |                              |                |                   |              |        |                 |                                  |                                 |                 |
| <b>V.—Miscellaneous—</b>   |                  |                   |                              |                |                   |              |        |                 |                                  |                                 |                 |
| (a) Drift and walfwood<br>and confiscated<br>forest produce.                                       | .. 15            | ..                | 504                          | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 504             |
| (b) Revenue from for-<br>est not managed by<br>Government, leased.                                 | ..               | ..                | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 18              |
| (c) Rent of forests and<br>payments to share-<br>holders in forests<br>managed by Govern-<br>ment. | ..               | ..                | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | ..              |
| (d) Law charges  | .. 49            | ..                | 70,510                       | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 70,510          |
| (e) Dearness allow-<br>ance.   | 20,998           | ..                | 1,099                        | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 1,314           |
| (f) Clothing   | 2,485            | ..                | 20,948                       | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 20,948          |
| (g) Other charges  | 1,984            | ..                | 1,266                        | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 1,266           |
| (h) Working plans  | ..               | ..                | 10,121                       | 263            | 79                | 1            | ..     | 273             | ..                               | 616                             | 20,428          |
| (i) Customs duty on<br>imported stores.  | ..               | ..                | 552                          | 2,207          | 30                | 33           | ..     | 1,069           | ..                               | 3,339                           | 552             |
| (j) Purchase of forest<br>produce from trade<br>or from purchasers<br>of standing trees.           | ..               | ..                | 2,518                        | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 9,845           |
|  | ..               | ..                | 165                          | 1,646          | 4,809             | ..           | ..     | ..              | ..                               | 6,455                           | 7,663           |
|  | ..               | ..                | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | ..              |
|  | ..               | ..                | 9                            | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 9               |
|  | 1,27,408         | ..                | 1,28,700                     | ..             | ..                | 1,63,421     | ..     | ..              | ..                               | 1,63,421                        | 7,53,641        |
| <b>Total V</b>   | ..               | ..                | 2,391                        | ..             | ..                | ..           | ..     | ..              | ..                               | ..                              | 2,391           |
|  | 1,52,939         | ..                | 2,31,049                     | 4,116          | 4,918             | 1,63,455     | ..     | 1,342           | ..                               | 1,73,831                        | 8,84,367        |

[illegible]



| Budget Heads.                     | Sundar-<br>bans. | Direction<br>(S). | Total<br>Southern<br>Circle. | Silvicultural. | Working<br>Plans. | Utilisation. | Nalida. | West<br>Bengal. | Direction<br>(Develop-<br>ment). | Total<br>Development<br>Circle. | Grand<br>Total. |
|-----------------------------------|------------------|-------------------|------------------------------|----------------|-------------------|--------------|---------|-----------------|----------------------------------|---------------------------------|-----------------|
|                                   | Rs.              | Rs.               | Rs.                          | Rs.            | Rs.               | Rs.          | Rs.     | Rs.             | Rs.                              | Rs.                             | Rs.             |
| <b>10—FOREST—contd.</b>           |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| <b>Expenditure—contd.</b>         |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| <b>A.—Conservancy and Works.—</b> |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| <i>contd.</i>                     |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| <b>VI.—Suspense—</b>              |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| Work advance .. { C               | ..               | ..                | 384                          | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | 384             |
| .. { V                            | ..               | ..                | —100                         | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | 227             |
| <b>VII.—Charges on account of</b> | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| Bengal Forest .. { C              | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| School .. { V                     | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| <b>VIII.—Deduct—Amount</b>        | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| recoverable from .. { C           | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| other Governments, .. { V         | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| Departments, etc. .. {            | —1,27,347        | ..                | —1,28,639                    | ..             | ..                | —1,46,369    | ..      | ..              | ..                               | —1,46,369                       | —6,44,325       |
| <b>Total A.—Conservancy and</b>   | ..               | ..                | 1,58,418                     | ..             | ..                | 17,686       | ..      | ..              | ..                               | ..                              | 1,58,418        |
| <b>Works.</b> .. { V              | 4,75,838         | 3,603             | 6,89,387                     | 7,185          | 8,410             | 27,692       | 566     | 27,692          | ..                               | 61,539                          | 18,44,961       |
| <b>B.—Establishment.</b>          |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| <b>1.—Pay of Officers—</b>        |                  |                   |                              |                |                   |              |         |                 |                                  |                                 |                 |
| (a) Conservators .. { C           | ..               | 3,777             | 3,777                        | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | 1,38,786        |
| .. { V                            | 4,150            | 3,100             | 46,490                       | 4,318          | 16,200            | 19,777       | ..      | 11,082          | ..                               | 51,377                          | 1,25,671        |
| (b) Superior Officers .. { C      | 26,655           | ..                | 57,615                       | 1,634          | 1,547             | 9,018        | 450     | 906             | ..                               | 13,555                          | 1,39,105        |
| (c) Pay of recruits of .. { V     | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| the Imperial Forest .. { C        | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| Service .. { V                    | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| (d) Provision for tem- .. { C     | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| porary Forest .. { V              | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| Officers .. { C                   | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| <b>Deduct—Recoveries on</b>       | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| account of allotment .. { C       | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| of pay of officers. .. { V        | ..               | ..                | ..                           | ..             | ..                | ..           | ..      | ..              | ..                               | ..                              | ..              |
| <b>Total 1 .. { C</b>             | 4,150            | 6,877             | 59,287                       | 4,318          | 16,200            | 19,777       | ..      | 11,082          | ..                               | 51,377                          | 2,64,407        |
| <b>Total 1 .. { V</b>             | 26,655           | ..                | 57,615                       | 1,634          | 1,547             | 9,018        | 450     | 906             | ..                               | 13,555                          | 1,39,105        |

| Budget Heads.   | Darjeeling. | Kalimpang. | Kurong. | Dirang (N). | Puxa.    | Jalpaiguri. | Bengal Forest School. | Total Northern Circle. | General Direction. | Chittagong Hill Tracts. | Chittagong. | Dacca-Mymensingh. |
|---|-------------|------------|---------|-------------|----------|-------------|-----------------------|------------------------|--------------------|-------------------------|-------------|-------------------|
|   | Rs.         | Rs.        | Rs.     | Rs.         | Rs.      | Rs.         | Rs.                   | Rs.                    | Rs.                | Rs.                     | Rs.         | Rs.               |
| <b>10—FOREST—contd.</b>   |             |            |         |             |          |             |                       |                        |                    |                         |             |                   |
| <b>Expenditure—contd.</b>   |             |            |         |             |          |             |                       |                        |                    |                         |             |                   |
| <b>B—Establishment—contd.</b>                                     |             |            |         |             |          |             |                       |                        |                    |                         |             |                   |
| <b>2.—Pay of establishment—</b>                                   |             |            |         |             |          |             |                       |                        |                    |                         |             |                   |
| (a) Subordinate Forest and Depot Establishment.                   | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 27,907                  | 518         | ..                |
|   | 30,064      | 26,401     | 41,665  | ..          | 59,313   | 37,905      | 1,646                 | 1,96,734               | 2,863              | ..                      | 69,389      | 15,291            |
| (b) Office establishment.   | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 6,816                   | ..          | ..                |
|   | 5,991       | 5,485      | 7,179   | 11,263      | 11,849   | 9,179       | 1,487                 | 52,333                 | 11,494             | ..                      | 14,666      | 3,599             |
| (c) Temporary establishment.                                      | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 9,148                   | 118         | ..                |
|   | 6,095       | 4,735      | 8,341   | 21,453      | 12,109   | 10,536      | —231                  | 69,623                 | 14,048             | ..                      | 16,689      | 25,774            |
| (d) Leave allowance   | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 3,131                   | 135         | ..                |
|   | 2,634       | 1,337      | 2,297   | 2,467       | 4,562    | 2,020       | 8                     | 15,325                 | 1,418              | ..                      | 7,479       | 1,256             |
| (e) Sub-Assistant Surgeon.  | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 120                     | ..          | ..                |
|   | ..          | ..         | ..      | ..          | 1,570    | ..          | ..                    | 1,570                  | ..                 | ..                      | ..          | ..                |
| (f) Extra cost in leave vacancies.                                | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 1,186                   | ..          | ..                |
|   | 81          | ..         | 13      | ..          | 67       | 38          | ..                    | 109                    | ..                 | ..                      | 573         | 6                 |
| (g) Temporary establishment for Central Government Timber Depots. | ..          | ..         | ..      | ..          | ..       | ..          | ..                    | ..                     | ..                 | 12                      | ..          | ..                |
|   | ..          | 980        | 889     | ..          | 4,067    | 5,275       | ..                    | 11,214                 | ..                 | ..                      | 416         | ..                |
| <b>Total.</b>   | 44,795      | 38,998     | 60,364  | 35,133      | 1,00,157 | 64,656      | 2,910                 | 3,47,053               | 29,823             | 48,929                  | 1,09,211    | 45,926            |

## 3.—Allowances and honoraria—

|   |             |                 |              |                 |                  |                 |              |              |                    |                  |              |                   |                 |
|---|-------------|-----------------|--------------|-----------------|------------------|-----------------|--------------|--------------|--------------------|------------------|--------------|-------------------|-----------------|
| (a) Travelling allowance  | { C.<br>V } | 2,066<br>15,482 | ..<br>14,365 | 3,010<br>10,749 | 5,313<br>3,850   | 899<br>30,297   | ..<br>22,092 | ..<br>6,907  | 11,323<br>1,13,382 | 4,529<br>4,679   | 11,067<br>.. | 1,876<br>35,191   | 1,894<br>10,441 |
| (b) Other allowances  | { C.<br>V } | ..<br>2,567     | ..<br>2,986  | ..<br>3,761     | ..<br>7,349      | ..<br>1,635     | ..<br>808    | ..<br>12,451 | ..<br>81,607       | 486<br>9,209     | 3,808<br>..  | 20<br>66          | 20<br>36        |
| (c) Cost of passage, etc.   | { C.<br>V } | ..<br>..        | ..<br>..     | ..<br>..        | ..<br>..         | ..<br>..        | ..<br>..     | ..<br>..     | ..<br>..           | ..<br>..         | ..<br>..     | ..<br>-131        | ..<br>..        |
| (d) Dearness allowance  | { C.<br>V } | 3,514<br>33,106 | ..<br>20,419 | 2,539<br>34,858 | 5,709<br>14,442  | 725<br>57,792   | ..<br>41,760 | ..<br>9,546  | 12,537<br>2,21,223 | 2,621<br>13,937  | 36,547<br>.. | 3,740<br>92,880   | 4,580<br>35,822 |
| (e) Allowances to temporary staff for Central Government Timber Depots.   | { C.<br>V } | ..<br>..        | ..<br>817    | ..<br>821       | ..<br>..         | ..<br>3,583     | ..<br>4,699  | ..<br>..     | ..<br>9,920        | ..<br>..         | ..<br>..     | ..<br>363         | ..<br>..        |
| (f) Cost of passage granted under the Superior Civil Service Rules, 1924. | { C.<br>V } | ..<br>..        | ..<br>..     | 840<br>..       | 2,139<br>..      | ..<br>..        | ..<br>..     | ..<br>..     | 2,979<br>..        | 14,630<br>..     | ..<br>..     | ..<br>..          | ..<br>..        |
| Total 3   | { C.<br>V } | 5,580<br>51,155 | ..<br>47,537 | 6,439<br>59,190 | 13,161<br>25,741 | 1,664<br>98,297 | ..<br>70,459 | ..<br>25,904 | 26,544<br>3,70,132 | 22,316<br>27,835 | 52,322<br>.. | 5,036<br>1,28,369 | 6,424<br>46,939 |

| Budget Heads.   | Sundards. | Direction (S). | Total Southern Circle. | Silvicultural. | Working Plans. | Utilisation. | Nadia. | West Bengal. | Direction (Development.) | Total Development Circle. | Grand Total. |
|---|-----------|----------------|------------------------|----------------|----------------|--------------|--------|--------------|--------------------------|---------------------------|--------------|
|   | Rs.       | Rs.            | Rs.                    | Rs.            | Rs.            | Rs.          | Rs.    | Rs.          | Rs.                      | Rs.                       | Rs.          |
| <b>10.—FOREST—contd.</b>  |           |                |                        |                |                |              |        |              |                          |                           |              |
| <b>Expenditure—contd.</b>   |           |                |                        |                |                |              |        |              |                          |                           |              |
| <b>B—Establishment—contd.</b>                                     |           |                |                        |                |                |              |        |              |                          |                           |              |
| <b>2.—Pay of establishment—</b>                                   |           |                |                        |                |                |              |        |              |                          |                           |              |
| (a) Subordinate Forest and Depot establishment—                   | ..        | ..             | 28,325                 | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 28,325       |
|   | 68,711    | ..             | 1,54,391               | 6,070          | 3,613          | 2,175        | 191    | 3,722        | ..                       | 15,776                    | 3,69,814     |
| (b) Office Establishment.   | ..        | ..             | 6,816                  | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 6,816        |
|   | 13,410    | 2,514          | 34,189                 | 2,652          | 2,997          | 3,563        | 47     | 1,503        | ..                       | 10,792                    | 1,08,778     |
| (c) Temporary establishment.                                      | ..        | ..             | 9,266                  | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 9,266        |
|   | 6,964     | 5,091          | 54,517                 | 51             | 256            | 7,176        | 82     | 1,836        | ..                       | 9,401                     | 1,47,594     |
| (d) Leave allowance   | ..        | ..             | 3,266                  | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 3,266        |
|   | 6,389     | 157            | 15,231                 | 1,524          | 1,198          | 524          | ..     | 243          | ..                       | 3,439                     | 35,513       |
| (e) Sub-Assistant Surgeon.  | ..        | ..             | 120                    | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 120          |
|   | ..        | ..             | ..                     | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 1,570        |
| (f) Extra cost in leave vacancies.                                | ..        | ..             | 1,186                  | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 1,186        |
|   | 48        | ..             | 627                    | 23             | ..             | ..           | ..     | ..           | ..                       | 23                        | 849          |
| (g) Temporary establishment for Central Government Timber Depots. | ..        | ..             | 12                     | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 12           |
|   | 297       | ..             | 713                    | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 11,927       |
| <b>Total 2</b>  | ..        | ..             | 48,991                 | ..             | ..             | ..           | ..     | ..           | ..                       | ..                        | 48,991       |
|   | 96,819    | 7,762          | 2,59,718               | 10,320         | 8,069          | 13,438       | 320    | 7,304        | ..                       | 39,451                    | 6,76,045     |



| Budget Heads.  | Darjeeling | Kalimpong. | Kurseong. | Direction<br>(%). | Buxa. | Jalpaiguri. | Bengal<br>Forest<br>School. | Total<br>Northern<br>Circle. | General<br>Direction. | Chittagong<br>Hill<br>Tracts. | Chittagong. | Dacca-<br>Mynen-<br>Singh. |
|--|------------|------------|-----------|-------------------|-------|-------------|-----------------------------|------------------------------|-----------------------|-------------------------------|-------------|----------------------------|
|  | Rs.        | Rs.        | Rs.       | Rs.               | Rs.   | Rs.         | Rs.                         | Rs.                          | Rs.                   | Rs.                           | Rs.         | Rs.                        |
| 10—FOREST—contd.   |            |            |           |                   |       |             |                             |                              |                       |                               |             |                            |
| Expenditure—contd.   |            |            |           |                   |       |             |                             |                              |                       |                               |             |                            |
| B—Establishment—contd.   |            |            |           |                   |       |             |                             |                              |                       |                               |             |                            |
| 4.—Contingents—  |            |            |           |                   |       |             |                             |                              |                       |                               |             |                            |
| (a) Stationery .. { C<br>V   | 13         | 14         | 633       | 137               | 69    | 150         | 21                          | 1,037                        | 1,148                 | 23                            | 38          | 75                         |
| (b) Carriage of tents { C<br>V<br>and records.                         | 32         | 25         | 5         | 1,845             | 142   | 55          | ..                          | 2,104                        | 389                   | 14                            | 11          | 145                        |
| (c) Rent, rates and { C<br>V<br>Taxes.                                 | 572        | 437        | 1,811     | 5,100             | 50    | 1,604       | ..                          | 9,558                        | ..                    | 2,006                         | 3,644       | 1,691                      |
| (d) Official postage { C<br>V  | 692        | 1,000      | 2,100     | 1,771             | 2,510 | 1,690       | 240                         | 10,003                       | 2,065                 | 1,500                         | 2,499       | 800                        |
| (e) Sundries .. { C<br>V   | 2,259      | 1,700      | 4,385     | 4,940             | 4,552 | 3,992       | 1,201                       | 23,029                       | 17,904                | 2,875                         | 202         | 2,697                      |
| (f) Purchase of books { C<br>V   | 63         | 128        | 81        | 116               | 221   | 97          | 17                          | 723                          | 186                   | 78                            | 30          | 60                         |
| (g) Contingents for { C<br>V<br>temporary staff for<br>C. G. I. Depot. | ..         | ..         | ..        | ..                | ..    | ..          | ..                          | ..                           | ..                    | ..                            | ..          | ..                         |
| Total 4 .. { C<br>V  | 3,631      | 3,304      | 9,294     | 13,909            | 7,874 | 8,357       | 1,479                       | 47,848                       | 21,692                | 6,496                         | 10,419      | 5,468                      |

[illegible]

| Budget Heads,   | Sundar-<br>bans. |       | Direction<br>(S). |       | Total<br>Southern<br>Circle. |        | Agricultural. |    | Working<br>Plans. |       | Utilisation. |    | Nadla. |     | West<br>Bengal. |       | Direction<br>(Develop-<br>ment.) |    | Total<br>Development<br>Circle. |    | Grand<br>Total. |          |
|---|------------------|-------|-------------------|-------|------------------------------|--------|---------------|----|-------------------|-------|--------------|----|--------|-----|-----------------|-------|----------------------------------|----|---------------------------------|----|-----------------|----------|
|   | Rs.              |       | Rs.               |       | Rs.                          |        | Rs.           |    | Rs.               |       | Rs.          |    | Rs.    |     | Rs.             |       | Rs.                              |    | Rs.                             |    | Rs.             |          |
| <b>10—FOREST—contd.</b>   |                  |       |                   |       |                              |        |               |    |                   |       |              |    |        |     |                 |       |                                  |    |                                 |    |                 |          |
| <b>Expenditure—contd.</b>   |                  |       |                   |       |                              |        |               |    |                   |       |              |    |        |     |                 |       |                                  |    |                                 |    |                 |          |
| <b>B—Establishment—contd.</b>   |                  |       |                   |       |                              |        |               |    |                   |       |              |    |        |     |                 |       |                                  |    |                                 |    |                 |          |
| <b>4.—Contingencies—</b>  |                  |       |                   |       |                              |        |               |    |                   |       |              |    |        |     |                 |       |                                  |    |                                 |    |                 |          |
| (a) Stationery .. { C<br>V  | ..               | ..    | ..                | 51    | 23                           | 1,364  | ..            | .. | 66                | 18    | ..           | .. | ..     | 59  | ..              | 117   | ..                               | .. | 260                             | .. | 23              | 3,809    |
| (b) Carriage of tents<br>and records, .. { C<br>V                         | ..               | 16    | ..                | 75    | 14                           | 247    | ..            | .. | 92                | 142   | ..           | .. | ..     | 10  | ..              | 7     | ..                               | .. | 436                             | .. | 14              | 3,176    |
| (c) Rents, rates and<br>taxes, .. { C<br>V                                | ..               | 3,447 | ..                | ..    | 2,006                        | 8,782  | ..            | .. | ..                | 226   | ..           | .. | ..     | ..  | ..              | 1,677 | ..                               | .. | 2,289                           | .. | 2,066           | 20,629   |
| (d) Official postage .. { C<br>V  | ..               | 1,101 | ..                | 450   | 1,500                        | 4,550  | ..            | .. | 180               | 2,244 | ..           | .. | ..     | 29  | ..              | 200   | ..                               | .. | 3,053                           | .. | 1,500           | 19,971   |
| (e) Sundries .. { C<br>V  | ..               | 1,360 | ..                | 1,142 | 3,077                        | 9,051  | ..            | .. | 631               | 874   | ..           | .. | ..     | ..  | ..              | 509   | ..                               | .. | 2,375                           | .. | 3,077           | 52,859   |
| (f) Purchase of books { C<br>V  | ..               | 126   | ..                | 89    | 78                           | 305    | ..            | .. | 32                | 289   | ..           | .. | ..     | 24  | ..              | 80    | ..                               | .. | 289                             | .. | 367             | 1,199    |
| (g) Contingencies for { C<br>Contingencies for { C<br>G. C. T. Depots { V | ..               | 1,193 | ..                | ..    | ..                           | 1,538  | ..            | .. | ..                | 1,910 | ..           | .. | ..     | ..  | ..              | ..    | ..                               | .. | ..                              | .. | ..              | ..       |
| <b>Total 4 .. { C<br/>V</b>   | ..               | 8,443 | ..                | 1,807 | 6,098                        | 26,137 | ..            | .. | 1,157             | 239   | ..           | .. | ..     | 122 | ..              | 2,590 | ..                               | .. | 10,308                          | .. | 7,037           | 1,05,985 |



[illegible]

| Budget Heads.                                       | Darjeeling. | Kalimpong. | Kurcong. | Direction<br>(N). | Buxa. | Jalpaiguri. | Bengal<br>Forest<br>School. | Total<br>Northern<br>Circle. | General<br>Direction. | Chittagong<br>Hill<br>Tracts. | Chittagong. | Dacca-<br>Mymen-<br>singh. |
|---|-------------|------------|----------|-------------------|-------|-------------|-----------------------------|------------------------------|-----------------------|-------------------------------|-------------|----------------------------|
|   | Rs.         | Rs.        | Rs.      | Rs.               | Rs.   | Rs.         | Rs.                         | Rs.                          | Rs.                   | Rs.                           | Rs.         | Rs.                        |
| <b>10—FOREST.—contd.</b>                            |             |            |          |                   |       |             |                             |                              |                       |                               |             |                            |
| Expenditure—contd.                                  |             |            |          |                   |       |             |                             |                              |                       |                               |             |                            |
| C.—Interest on Capital .. { C<br>V                  | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | ..                    | ..                            | ..          | ..                         |
| <b>D.—Charges in England—</b>                       |             |            |          |                   |       |             |                             |                              |                       |                               |             |                            |
| (a) Leave and deputa- { C<br>tion, salaries, etc. V | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 37,690                | ..                            | ..          | ..                         |
|   | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 21,320                | ..                            | ..          | ..                         |
| (b) Sterling Overseas { C<br>Pay. V                 | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 20,535                | ..                            | ..          | ..                         |
|   | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 362                   | ..                            | ..          | ..                         |
| (c) Allotment of pay of { C<br>officers. V          | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | ..                    | ..                            | ..          | ..                         |
|   | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 9,270                 | ..                            | ..          | ..                         |
| (d) Other charges .. { C<br>V                       | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | ..                    | ..                            | ..          | ..                         |
|   | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 53                    | ..                            | ..          | ..                         |
| <b>Total D .. { C<br/>V</b>                         | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 58,525                | ..                            | ..          | ..                         |
|   | ..          | ..         | ..       | ..                | ..    | ..          | ..                          | ..                           | 301,005               | ..                            | ..          | ..                         |

[illegible]

| Budget Heads.   | Darjeeling. | Kalimpong. | Kurseong. | Dirce-<br>tion (N). | Luxa.  | Jalpai-<br>guri. | Bengal<br>Forest<br>School. | Total<br>Northern<br>Circle. | General<br>Direction. | Chitragong<br>Hill Tracts. | Chitragong. | Dacca-My-<br>mensingh. |
|---|-------------|------------|-----------|---------------------|--------|------------------|-----------------------------|------------------------------|-----------------------|----------------------------|-------------|------------------------|
|   | Rs.         | Rs.        | Rs.       | Rs.                 | Rs.    | Rs.              | Rs.                         | R.                           | Rs.                   | Rs.                        | R.          | Rs.                    |
| <b>10.—Forest—<i>conold.</i></b>  |             |            |           |                     |        |                  |                             |                              |                       |                            |             |                        |
| <b>Expenditure—<i>conold.</i></b>   |             |            |           |                     |        |                  |                             |                              |                       |                            |             |                        |
| <b>F.—Special Development Programme—</b>  |             |            |           |                     |        |                  |                             |                              |                       |                            |             |                        |
| (1) Afforestation in the District of Nadia. { C { V   | ..          | ..         | ..        | ..                  | 292    | ..               | ..                          | 658                          | ..                    | ..                         | ..          | ..                     |
| (2) Rehabilitation of existing Government Forests. { C { V                                  | ..          | ..         | ..        | ..                  | ..     | ..               | ..                          | ..                           | ..                    | ..                         | ..          | ..                     |
| (3) Provision for training of technical and other personnel. { C { V                        | 30,410      | 54,200     | 18,563    | ..                  | 47,437 | 77,403           | ..                          | 2,28,423                     | ..                    | 39,071                     | 42,512      | 156                    |
| (4) Conservation of private forests and afforestation of private waste lands. { C { V       | ..          | ..         | ..        | ..                  | ..     | ..               | ..                          | ..                           | 1,077                 | ..                         | 205         | ..                     |
| (5) Creation of a Soil Conservation Circle. { C { V   | ..          | ..         | ..        | ..                  | ..     | ..               | ..                          | ..                           | -20                   | ..                         | ..          | 4,518                  |
| (6) Improvement of communication, buildings and water-supply in Government Forests. { C { V | 24,480      | 56,983     | 25,954    | 3,699               | 45,232 | 67,430           | ..                          | 2,25,808                     | ..                    | -11,504                    | 4,042       | 2,132                  |
| (7) Deduct—Amount transferred to circle { C { V   | ..          | ..         | ..        | ..                  | ..     | ..               | 38,450                      | ..                           | 34,186                | ..                         | ..          | ..                     |
| (8) Add—Amount transferred from circle. { C { V   | ..          | ..         | ..        | ..                  | ..     | ..               | ..                          | ..                           | ..                    | ..                         | ..          | ..                     |
| <b>Total F .. { C { V</b>   | 55,270      | 1,11,183   | 44,883    | 8,699               | 92,061 | 1,44,888         | 38,450                      | 5,46,399                     | 35,263                | 47,267                     | 84,369      | 6,806                  |

|  |   |   |          |          |          |        |          |          |          |           |          |          |          |          |          |
|--|---|---|----------|----------|----------|--------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|
| A.—Conservancy Works.  | C | V | 87,519   | 77,584   | 4,81,845 | 227    | 3,52,010 | 1,03,085 | ..       | 10,94,035 | ..       | 1,56,943 | 1,430    | ..       |          |
|  |   |   | 18,045   | ..       | 17,607   | 61,464 | 4,497    | ..       | ..       | ..        | 1,01,613 | 1,01,142 | ..       | 94,623   | 1,13,323 |
| B.—Establishment ..  | C | V | 1,00,281 | 1,02,516 | 1,27,857 | 81,104 | 1,99,406 | 1,45,113 | 41,255   | 7,97,532  | 1,00,877 | ..       | 2,76,706 | 1,00,730 |          |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       | ..       |
| C.—Interest on Capital   | C | V | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       |          |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       | ..       |
| D.—Charges in England  | C | V | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | 58,525   | ..       | ..       | ..       |          |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | 30,005   | ..       | ..       |
| E.—Loss or gain by exchange on Home transactions other than stores | C | V | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       |          |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       | ..       |
| F.—Special Development Programme.                                  | C | V | 55,270   | 1,11,133 | 44,888   | 8,099  | 92,061   | 1,44,883 | 88,450   | 5,46,339  | 35,263   | ..       | ..       | ..       |          |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       | ..       |
|  |   |   | ..       | ..       | ..       | ..     | ..       | ..       | ..       | ..        | ..       | ..       | ..       | ..       | ..       |
| Total 10—Forest ..   | C | V | 18,045   | ..       | 17,607   | 61,464 | 4,497    | ..       | ..       | 1,01,613  | 1,50,067 | 2,71,377 | 21,473   | 24,892   |          |
|  |   |   | 2,43,070 | 2,91,283 | 6,54,590 | 90,030 | 6,44,377 | 3,93,086 | 1,21,470 | 24,37,906 | 1,66,145 | 47,267   | 4,57,633 | 2,20,859 |          |

| Budget Heads.  | Sundar-<br>bana. | Direction<br>( <sup>4</sup> ). | Total<br>Southern<br>Circle. | Silvicultural. | Working<br>Plans. | Utilisation. | Nadia. | West<br>Bengal. | Direction<br>(Develop-<br>ment). | Total<br>Develop-<br>ment Circle. | Grand<br>Total. |
|--|------------------|--------------------------------|------------------------------|----------------|-------------------|--------------|--------|-----------------|----------------------------------|-----------------------------------|-----------------|
|  | Rs.              | Rs.                            | Rs.                          | Rs.            | Rs.               | Rs.          | Rs.    | Rs.             | Rs.                              | Rs.                               | Rs.             |
| <b>10—Forest—oncell.</b>   |                  |                                |                              |                |                   |              |        |                 |                                  |                                   |                 |
| <b>Expenditure—concid.</b>   |                  |                                |                              |                |                   |              |        |                 |                                  |                                   |                 |
| <b>F—Special Development Programme—</b>  |                  |                                |                              |                |                   |              |        |                 |                                  |                                   |                 |
| (1) Afforestation in the {<br>District of Nadia. {   | ..               | ..                             | ..                           | ..             | ..                | ..           | 33,995 | ..              | ..                               | 33,995                            | 34,673          |
| (2) Rehabilitation of {<br>existing Government {<br>Forests. {   | 5,140            | ..                             | 1,06,870                     | ..             | 14,307            | ..           | ..     | ..              | ..                               | 14,307                            | 3,49,609        |
| (3) Provision for train- {<br>ing of technical and {<br>other personnel. {                                     | ..               | ..                             | 205                          | ..             | ..                | ..           | ..     | 40,353          | ..                               | 40,353                            | 42,135          |
| (4) Conservation of pri- {<br>vate forests and affor- {<br>estation of private {<br>waste lands. {             | ..               | ..                             | 4,518                        | ..             | ..                | ..           | ..     | 1,04,658        | ..                               | 1,04,658                          | 1,09,131        |
| (5) Creation of a Soil {<br>Conservation Circle. {   | 30,248           | 3,373                          | 70,629                       | ..             | ..                | ..           | ..     | ..              | ..                               | ..                                | 2,99,437        |
| (6) Improvement of {<br>communication, build- {<br>ings and water- {<br>supply in Govern- {<br>ment Forests. { | ..               | ..                             | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                                | ..              |
| (7) Deduct—Amount {<br>transferred to {<br>Circle. {   | ..               | ..                             | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                                | 1,22,636        |
| (8) Add—Amount {<br>transferred from {<br>Circle. {  | ..               | ..                             | ..                           | ..             | ..                | ..           | ..     | ..              | ..                               | ..                                | ..              |
| Total F {<br>C {   | 35,426           | 9,373                          | 1,82,231                     | ..             | 14,307            | ..           | 33,995 | 1,45,506        | ..                               | 1,93,908                          | 9,57,641        |



**FORM No. 26.**

(Paragraph 45.)

**Revenue received and outstandings on account of revenue during 1946-47.**

| Budget heads.         |   | 1        |       |           |       |           |       |           |       |          |       |
|-----------------------|---|----------|-------|-----------|-------|-----------|-------|-----------|-------|----------|-------|
| Particulars.          |   | 3        |       | 4         |       | 5         |       | 6         |       | 7        |       |
|                       |   | Rs.      | a. p. | Rs.       | a. p. | Rs.       | a. p. | Rs.       | a. p. | Rs.      | a. p. |
| NORTHERN CIRCLE.      |   |          |       |           |       |           |       |           |       |          |       |
| R. I. a.              | Sale of timber extracted departmentally ..                          | 1,26,922 | 8 3   | 9,33,865  | 1 0   | 10,60,787 | 9 3   | 9,66,974  | 0 0   | 94,813   | 9 3   |
| R. I. b.              | Sale of fuel extracted departmentally ..                            | 35,789   | 5 8   | 1,20,363  | 4 3   | 1,56,152  | 10 0  | 1,20,493  | 0 0   | 35,659   | 10 0  |
| R. I. c.              | Sale of bamboos extracted departmentally..                          | 85       | 4 0   | 940       | 12 0  | 1,026     | 0 0   | 1,026     | 0 0   | .....    | ..... |
| R. I. d.              | Sale of grass and other minor produce extracted departmentally.     | 13       | 0 0   | 1,802     | 5 0   | 1,815     | 5 0   | 1,721     | 0 0   | 94       | 5 0   |
| R. II. a.             | Sale of timber extracted by consumers or purchasers.                | 1,07,502 | 2 6   | 17,61,361 | 0 9   | 18,68,863 | 3 3   | 17,23,618 | 0 0   | 1,45,245 | 3 3   |
| R. II. b.             | Sale of firewood and charcoal extracted by consumers or purchasers. | 13,910   | 13 9  | 3,07,545  | 7 9   | 3,21,456  | 5 6   | 3,02,927  | 0 0   | 18,529   | 5 6   |
| R. II. c.             | Sale of bamboos extracted by consumers or purchasers.               | 254      | 0 0   | 9,963     | 0 0   | 10,217    | 0 0   | 10,043    | 0 0   | 174      | 0 0   |
| R. II. d.             | Sale of grazing and fodder grass                                    | .....    | ..... | 19,859    | 0 0   | 19,859    | 0 0   | 19,859    | 0 0   | .....    | ..... |
| R. II. e.             | Sale of other minor produce   | 691      | 0 0   | 62,725    | 4 0   | 63,416    | 4 0   | 60,083    | 0 0   | 3,325    | 4 0   |
| R. II. f.             | Commutation fees  | .....    | ..... | .....     | ..... | .....     | ..... | .....     | ..... | .....    | ..... |
| R. II. g.             | Sale of other items   | .....    | ..... | .....     | ..... | .....     | ..... | .....     | ..... | .....    | ..... |
| R. III.               | Sale of drift and waif wood and confiscated forest produce.         | 623      | 13 0  | 5,064     | 3 0   | 5,688     | 0 0   | 5,548     | 0 0   | 140      | 0 0   |
| R. V. a.              | Fines and forfeitures   | .....    | ..... | 2,785     | 0 0   | 2,785     | 0 0   | 2,785     | 0 0   | .....    | ..... |
| R. V. b.              | Other sources   | 22       | 12 0  | 84,639    | 3 0   | 84,661    | 15 0  | 84,561    | 0 0   | 100      | 15 0  |
| R. V. c.              | Receipts (including rent) realised from works.                      | .....    | ..... | 5,188     | 0 0   | 5,188     | 0 0   | 5,188     | 0 0   | .....    | ..... |
| R. V. d.              | Sale of forest produce purchased from trade.                        | .....    | ..... | 34,734    | 0 0   | 34,734    | 0 0   | 34,734    | 0 0   | .....    | ..... |
| R. VI.                | Receipts in England   | .....    | ..... | .....     | ..... | .....     | ..... | .....     | ..... | .....    | ..... |
| R. VII.               | Loss or gain by exchange  | .....    | ..... | .....     | ..... | .....     | ..... | .....     | ..... | .....    | ..... |
| R. VIII.              | Deduct—Refund   | .....    | ..... | —22,535   | 0 0   | —22,535   | 0 0   | —22,535   | 0 0   | .....    | ..... |
| Total Northern Circle |   | 2,85,814 | 11 3  | 38,28,300 | 8 9   | 36,14,115 | 4 0   | 35,16,090 | 0 0   | 2,98,085 | 4 0   |



## 7

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**FORM No. 27.**  
(Paragraph 48.)  
**Outstandings and liabilities on account of contractors and disbursers for 1946-47.**

| Division.                     | Department debtor. |     |  |      | Department creditor. |      |                  | Balance due. |                                |      |           |      |                               |       |                              |  |
|-------------------------------|--------------------|-----|--|------|----------------------|------|------------------|--------------|--------------------------------|------|-----------|------|-------------------------------|-------|------------------------------|--|
|                               | 2                  |     | 3  |      | 4                    |      | 5                |              | 6                              |      | 7         |      | 8                             |       | 9                            |  |
|                               | Opening balance.   |     | Recoveries in cash or value of supplies and work done during the year. |      | Total.               |      | Opening balance. |              | Payments made during the year. |      | Total.    |      | To department (outstandings). |       | By department (liabilities). |  |
| 1                             | Rs. a. p.          |     | Rs. a. p.  |      | Rs. a. p.            |      | Rs. a. p.        |              | Rs. a. p.                      |      | Rs. a. p. |      | Rs. a. p.                     |       | Rs. a. p.                    |  |
| NORTHERN CIRCLE.              |                    |     |  |      |                      |      |                  |              |                                |      |           |      |                               |       |                              |  |
| Interjeeling ..               | 30                 | 0 0 | 1,94,046   | 3 3  | 1,94,036             | 3 3  | .....            | .....        | 1,94,076                       | 5 3  | 1,94,076  | 5 3  | 40                            | 2 0   | ....                         |  |
| Kalimpong ..                  | .....              |     | 2,30,331   | 8 0  | 2,30,331             | 8 0  | 8 1 9            | 8 1 9        | 2,30,378                       | 6 3  | 2,30,356  | 8 0  | 55                            | 0 0   | ....                         |  |
| Kurseong ..                   | .....              |     | 6,35,934   | 3 0  | 6,35,934             | 3 0  | 353 3 9          | 353 3 9      | 6,36,962                       | 4 3  | 6,37,320  | 8 0  | 1,386                         | 5 0   | ....                         |  |
| Direction (North) ..          | .....              |     | 2,773  | 1 0  | 2,773                | 1 0  | 2,901 11 0       | 2,901 11 0   | 2,503                          | 4 0  | 5,704     | 15 0 | 2,931                         | 14 0  | ....                         |  |
| Bura ..                       | .....              |     | 5,12,331   | 5 0  | 5,12,331             | 5 0  | 90 0 0           | 90 0 0       | 5,12,261                       | 13 6 | 5,12,331  | 13 6 | 20                            | 8 6   | ....                         |  |
| Jalpaiguri ..                 | .....              |     | 3,96,455   | 8 0  | 3,96,455             | 8 0  | 74 12 3          | 74 12 3      | 3,96,522                       | 5 0  | 3,96,657  | 1 3  | 171                           | 9 3   | ....                         |  |
| Bengal Forest School ..       | .....              |     | 21,377   | 14 0 | 21,377               | 14 0 | 1,305 0 0        | 1,305 0 0    | 23,177                         | 14 0 | 24,482    | 14 0 | 3,105                         | 0 0   | ....                         |  |
| Total Northern Circle         | 30                 | 0 0 | 19,93,239  | 10 3 | 19,93,269            | 10 3 | 4,737 12 9       | 4,737 12 9   | 19,96,242                      | 4 3  | 20,00,980 | 1 0  | 7,710                         | 6 9   | ....                         |  |
| DEVELOPMENT CIRCLE.           |                    |     |  |      |                      |      |                  |              |                                |      |           |      |                               |       |                              |  |
| Silvicultural Division ..     | .....              |     | 23,453   | 13 3 | 23,453               | 13 3 | .....            | .....        | 24,147                         | 9 3  | 24,147    | 9 3  | 693                           | 12 0  | ....                         |  |
| Working Pias ..               | .....              |     | 23,396   | 6 9  | 23,396               | 6 9  | 120 2 9          | 120 2 9      | 23,506                         | 4 0  | 23,716    | 6 9  | 320                           | 0 0   | ....                         |  |
| Utilisation ..                | .....              |     | 341  | 0 0  | 341                  | 0 0  | .....            | .....        | 341                            | 0 0  | 341       | 0 0  | .....                         | ..... | ....                         |  |
| Nadia ..                      | .....              |     | 9,594  | 11 0 | 9,594                | 11 0 | .....            | .....        | 9,594                          | 11 0 | 9,594     | 11 0 | .....                         | ..... | ....                         |  |
| West Bengal ..                | .....              |     | 98,207   | 12 0 | 98,207               | 12 0 | 110 5 0          | 110 5 0      | 98,100                         | 1 3  | 98,210    | 6 3  | 2 10                          | 3     | ....                         |  |
| Total Development Circle      | .....              |     | 1,54,993   | 11 0 | 1,54,993             | 11 0 | 230 7 9          | 230 7 9      | 1,55,779                       | 9 6  | 1,56,010  | 1 3  | 1,016                         | 6 3   | ....                         |  |
| GENERAL DIRECTION DIVISION .. | .....              |     | 2,216  | 8 0  | 2,216                | 8 0  | .....            | .....        | 2,357                          | 8 0  | 2,357     | 8 0  | 141                           | 0 0   | ....                         |  |

# **SOUTHERN CIRCLE.**

|                        |           |                |                |            |               |                |             |           |
|------------------------|-----------|----------------|----------------|------------|---------------|----------------|-------------|-----------|
| Chittagong Hill Tracts | ....      | 2,92,570 4 9   | 2,92,570 4 9   | 0 7 9      | 2,92,316 11 3 | 2,92,317 6 0   | ....        | 252 14 9  |
| Chittagong             | ....      | 3,41,182 13 0  | 3,41,182 13 0  | 1,320 14 0 | 3,40,764 7 6  | 3,42,085 5 6   | 902 8 6     | ....      |
| Dacca-Mymensingh       | ....      | 1,82,879 7 9   | 1,82,879 7 9   | 0 4 0      | 1,83,422 8 9  | 1,83,122 12 9  | 243 5 0     | ....      |
| Sundarbans             | ....      | 4,74,738 9 9   | 4,74,738 9 9   | 148 6 0    | 4,74,910 6 3  | 4,75,058 12 8  | 320 2 6     | ....      |
| Direction (South)      | 1,979 0 0 | 3,975 14 0     | 5,954 14 0     | ....       | 3,619 12 9    | 3,619 12 9     | ....        | 2,335 1 3 |
| Total Southern Circle  | 1,979 0 0 | 12,45,347 1 3  | 12,47,326 1 3  | 1,469 15 9 | 12,44,734 1 6 | 12,46,204 1 3  | 1,466 0 0   | 2,588 0 0 |
| Grand Total            | 2,009 0 0 | 33,95,796 14 6 | 33,97,805 14 6 | 6,488 4 3  | 33,99,113 7 3 | 34,05,551 11 6 | 10,333 13 0 | 2,588 0 0 |

